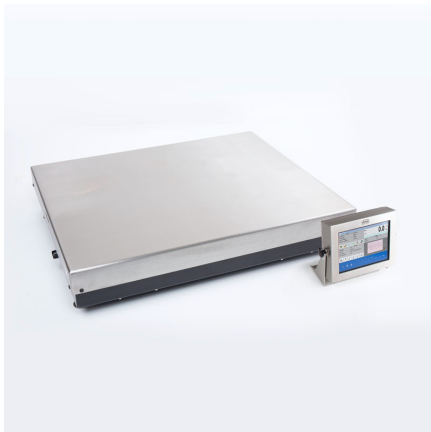




More information on the website  
radwag.com/en/info,w1,5AP

HY10.150.1.HRP.H High Resolution Scale, HY10.1100.HRP.H High Resolution Scale,  
HY10.300.HRP.H.M2.1 High Resolution Scale, HY10.150.1.HRP.H.M2.1 High Resolution Scale,  
HY10.300.1.HRP.H High Resolution Scale, HY10.300.1.HRP.H.M2.1 High Resolution Scale,  
HY10.1100.HRP.H.M2.2 High Resolution Scale, HY10.600.HRP.H.M2.1 High Resolution Scale,  
HY10.2000.HRP.H High Resolution Scale, HY10.2000.HRP.H.M3 High Resolution Scale,  
HY10.1000.HRP.H.M3 High Resolution Scale, HY10.300.HRP.H High Resolution Scale,  
HY10.150.1.HRP.H.M2.2 High Resolution Scale, HY10.1100.HRP.H.M2.1 High Resolution  
Scale, HY10.600.HRP.H High Resolution Scale, HY10.2000.HRP.H.M2.1 High Resolution Scale,  
HY10.600.HRP.H.M2.2 High Resolution Scale



HY10.150.1.HRP.H High Resolution Scale  
HY10.1100.HRP.H High Resolution Scale  
HY10.300.HRP.H.M2.1 High Resolution Scale  
HY10.150.1.HRP.H.M2.1 High Resolution Scale  
HY10.300.1.HRP.H High Resolution Scale  
HY10.300.1.HRP.H.M2.1 High Resolution Scale  
HY10.1100.HRP.H.M2.2 High Resolution Scale  
HY10.600.HRP.H.M2.1 High Resolution Scale  
HY10.2000.HRP.H High Resolution Scale  
HY10.2000.HRP.H.M3 High Resolution Scale  
HY10.1000.HRP.H.M3 High Resolution Scale  
HY10.300.HRP.H High Resolution Scale  
HY10.150.1.HRP.H.M2.2 High Resolution Scale  
HY10.1100.HRP.H.M2.1 High Resolution Scale  
HY10.600.HRP.H High Resolution Scale  
HY10.2000.HRP.H.M2.1 High Resolution Scale  
HY10.600.HRP.H.M2.2 High Resolution Scale

The drawings, photos and graphics used are for illustrative purposes only.

## Functions

|                                                                                                             |                                                                                                           |                                                                                                        |                                                                                                                   |
|-------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
|  Dosing                  |  Labelling             |  Plus/Minus Control |  Percent Weighing            |
|  Totalizing              |  Parts counting        |  Peak hold          |  Formulation                 |
|  Newton unit measurement |  Statistics            |  Checkweighing      |  GLP Procedures              |
|  Animal weighing         |  Differential weighing |  Replaceable unit   |  Statistical Quality Control |
|  ALIBI Memory            |  Transactions          |                                                                                                        |                                                                                                                   |

# Datasheet

|                                               | HY10.150.1.HRP.H.M2.1 High Resolution Scale                                                                                                                                                         | HY10.150.1.HRP.H.M2.2 High Resolution Scale                                                                                                                                                         | HY10.150.1.HRP.H High Resolution Scale                                                                                                                                                              |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Metrological parameters</b>                |                                                                                                                                                                                                     |                                                                                                                                                                                                     |                                                                                                                                                                                                     |
| <b>Maximum capacity [Max]</b>                 | 150 kg                                                                                                                                                                                              | 150 kg                                                                                                                                                                                              | 150 kg                                                                                                                                                                                              |
| <b>Minimum load</b>                           | 50 g                                                                                                                                                                                                | 250 g                                                                                                                                                                                               | 50 g                                                                                                                                                                                                |
| <b>Preload range</b>                          | 30 kg                                                                                                                                                                                               | 30 kg                                                                                                                                                                                               | 30 kg                                                                                                                                                                                               |
| <b>Readability [d]</b>                        | 1 g                                                                                                                                                                                                 | 5 g                                                                                                                                                                                                 | 1 g                                                                                                                                                                                                 |
| <b>Verification unit [e]</b>                  | 10 g                                                                                                                                                                                                | 5 g                                                                                                                                                                                                 |                                                                                                                                                                                                     |
| <b>Tare range</b>                             | -150 kg                                                                                                                                                                                             | -150 kg                                                                                                                                                                                             | -150 kg                                                                                                                                                                                             |
| <b>Repeatability</b>                          | 1,5 g                                                                                                                                                                                               | 1,5 g                                                                                                                                                                                               | 1,5 g                                                                                                                                                                                               |
| <b>Linearity</b>                              | ±3 g                                                                                                                                                                                                | ±5 g                                                                                                                                                                                                | ±3 g                                                                                                                                                                                                |
| <b>Stabilization time</b>                     | 3 s                                                                                                                                                                                                 | 3 s                                                                                                                                                                                                 | 3 s                                                                                                                                                                                                 |
| <b>Adjustment</b>                             | internal (automatic)                                                                                                                                                                                | internal (automatic)                                                                                                                                                                                | internal (automatic)                                                                                                                                                                                |
| <b>OIML Class</b>                             | II                                                                                                                                                                                                  | II                                                                                                                                                                                                  |                                                                                                                                                                                                     |
| <b>Maximum quantity of verification units</b> | 15000 e                                                                                                                                                                                             | 30000 e                                                                                                                                                                                             | —                                                                                                                                                                                                   |
| <b>Physical parameters</b>                    |                                                                                                                                                                                                     |                                                                                                                                                                                                     |                                                                                                                                                                                                     |
| <b>Display</b>                                | 10" graphic colour touchscreen                                                                                                                                                                      | 10" graphic colour touchscreen                                                                                                                                                                      | 10" graphic colour touchscreen                                                                                                                                                                      |
| <b>Weighing pan dimensions</b>                | 800×600 mm                                                                                                                                                                                          | 800×600 mm                                                                                                                                                                                          | 800×600 mm                                                                                                                                                                                          |
| <b>Packaging dimensions</b>                   | 800×1000×537 mm                                                                                                                                                                                     | 800×1000×537 mm                                                                                                                                                                                     | 800×1000×537 mm                                                                                                                                                                                     |
| <b>Net weight</b>                             | 71,5 kg                                                                                                                                                                                             | 71,5 kg                                                                                                                                                                                             | 71,5 kg                                                                                                                                                                                             |
| <b>Gross weight</b>                           | 119 kg                                                                                                                                                                                              | 119 kg                                                                                                                                                                                              | 119 kg                                                                                                                                                                                              |
| <b>Construction</b>                           |                                                                                                                                                                                                     |                                                                                                                                                                                                     |                                                                                                                                                                                                     |
| <b>Protection class</b>                       | IP 66/67 construction, IP 68/69 terminal                                                                                                                                                            | IP 66/67 construction, IP 68/69 terminal                                                                                                                                                            | IP 66/67 construction, IP 68/69 terminal                                                                                                                                                            |
| <b>Construction</b>                           | Stainless steel AISI304                                                                                                                                                                             | Stainless steel AISI304                                                                                                                                                                             | Stainless steel AISI304                                                                                                                                                                             |
| <b>Weighing pan material</b>                  | Stainless steel AISI304                                                                                                                                                                             | Stainless steel AISI304                                                                                                                                                                             | Stainless steel AISI304                                                                                                                                                                             |
| <b>Communication interface</b>                |                                                                                                                                                                                                     |                                                                                                                                                                                                     |                                                                                                                                                                                                     |
| <b>Communication interface</b>                | 2×RS232, 2×USB-A, Ethernet, 4 IN / 4 OUT (digital)                                                                                                                                                  | 2×RS232, 2×USB-A, Ethernet, 4 IN / 4 OUT (digital)                                                                                                                                                  | 2×RS232, 2×USB-A, Ethernet, 4 IN / 4 OUT (digital)                                                                                                                                                  |
| <b>Optional interfaces</b>                    | module Wi-Fi 802.11 b/g/n, module Profibus (DP SLAVE), module RS485, module PROFINET (RJ45), analog output module (4-20mA, 0-20mA, 0-10V) , 12IN / 12OUT (IN – 5-24 VDC, OUT – max 30 VDC, 0,5 ADC) | module Wi-Fi 802.11 b/g/n, module Profibus (DP SLAVE), module RS485, module PROFINET (RJ45), analog output module (4-20mA, 0-20mA, 0-10V) , 12IN / 12OUT (IN – 5-24 VDC, OUT – max 30 VDC, 0,5 ADC) | module Wi-Fi 802.11 b/g/n, module Profibus (DP SLAVE), module RS485, module PROFINET (RJ45), analog output module (4-20mA, 0-20mA, 0-10V) , 12IN / 12OUT (IN – 5-24 VDC, OUT – max 30 VDC, 0,5 ADC) |
| <b>Electrical parameters</b>                  |                                                                                                                                                                                                     |                                                                                                                                                                                                     |                                                                                                                                                                                                     |
| <b>Power supply</b>                           | 100 – 240 V AC 50/60 Hz                                                                                                                                                                             | 100 – 240 V AC 50/60 Hz                                                                                                                                                                             | 100 – 240 V AC 50/60 Hz                                                                                                                                                                             |
| <b>Environmental conditions</b>               |                                                                                                                                                                                                     |                                                                                                                                                                                                     |                                                                                                                                                                                                     |
| <b>Operating temperature</b>                  | +10 ÷ +40 °C                                                                                                                                                                                        | +10 ÷ +40 °C                                                                                                                                                                                        | +10 ÷ +40 °C                                                                                                                                                                                        |
| <b>Relative humidity</b>                      | 40% ÷ 80%                                                                                                                                                                                           | 40% ÷ 80%                                                                                                                                                                                           | 40% ÷ 80%                                                                                                                                                                                           |

Repeatability is expressed as the standard deviation of ten load placements. Relative humidity under non-condensing conditions. Stabilization time under optimal environmental conditions.

# Datasheet

|                                               | HY10.1000.HRP.H.M3 High Resolution Scale                                                                                                                                                            | HY10.300.HRP.H High Resolution Scale                                                                                                                                                                | HY10.300.1.HRP.H.M2.1 High Resolution Scale                                                                                                                                                         |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Metrological parameters</b>                |                                                                                                                                                                                                     |                                                                                                                                                                                                     |                                                                                                                                                                                                     |
| <b>Maximum capacity [Max]</b>                 | 200 / 500 / 1000 kg                                                                                                                                                                                 | 300 kg                                                                                                                                                                                              | 300 kg                                                                                                                                                                                              |
| <b>Minimum load</b>                           | 400 / 1000 / 2000 g                                                                                                                                                                                 | 50 g                                                                                                                                                                                                | 50 g                                                                                                                                                                                                |
| <b>Preload range</b>                          | 100 kg                                                                                                                                                                                              | 60 kg                                                                                                                                                                                               | 60 kg                                                                                                                                                                                               |
| <b>Readability [d]</b>                        | 20 / 50 / 100 g                                                                                                                                                                                     | 1 g                                                                                                                                                                                                 | 1 g                                                                                                                                                                                                 |
| <b>Verification unit [e]</b>                  | 20 / 50 / 100 g                                                                                                                                                                                     |                                                                                                                                                                                                     | 10 g                                                                                                                                                                                                |
| <b>Tare range</b>                             | -1000 kg                                                                                                                                                                                            | -300 kg                                                                                                                                                                                             | -300 kg                                                                                                                                                                                             |
| <b>Repeatability</b>                          | 15 / 15 / 30 g                                                                                                                                                                                      | 3 g                                                                                                                                                                                                 | 3 g                                                                                                                                                                                                 |
| <b>Linearity</b>                              | ±20 / ±50 / ±100 g                                                                                                                                                                                  | ±6 g                                                                                                                                                                                                | ±6 g                                                                                                                                                                                                |
| <b>Stabilization time</b>                     | 3 s                                                                                                                                                                                                 | 3 s                                                                                                                                                                                                 | 3 s                                                                                                                                                                                                 |
| <b>Adjustment</b>                             | internal (automatic)                                                                                                                                                                                | internal (automatic)                                                                                                                                                                                | internal (automatic)                                                                                                                                                                                |
| <b>OIML Class</b>                             | III                                                                                                                                                                                                 |                                                                                                                                                                                                     | II                                                                                                                                                                                                  |
| <b>Maximum quantity of verification units</b> | 10000 / 10000 / 10000 e                                                                                                                                                                             | —                                                                                                                                                                                                   | 30000 e                                                                                                                                                                                             |
| <b>Physical parameters</b>                    |                                                                                                                                                                                                     |                                                                                                                                                                                                     |                                                                                                                                                                                                     |
| <b>Display</b>                                | 10" graphic colour touchscreen                                                                                                                                                                      | 10" graphic colour touchscreen                                                                                                                                                                      | 10" graphic colour touchscreen                                                                                                                                                                      |
| <b>Weighing pan dimensions</b>                | 1000×800 mm                                                                                                                                                                                         | 800×600 mm                                                                                                                                                                                          | 1000×800 mm                                                                                                                                                                                         |
| <b>Packaging dimensions</b>                   | 1000×1200×666 mm                                                                                                                                                                                    | 800×1000×537 mm                                                                                                                                                                                     | 1000×1200×666 mm                                                                                                                                                                                    |
| <b>Net weight</b>                             | 126 kg                                                                                                                                                                                              | 71,5 kg                                                                                                                                                                                             | 126 kg                                                                                                                                                                                              |
| <b>Gross weight</b>                           | 160 kg                                                                                                                                                                                              | 119 kg                                                                                                                                                                                              | 160 kg                                                                                                                                                                                              |
| <b>Construction</b>                           |                                                                                                                                                                                                     |                                                                                                                                                                                                     |                                                                                                                                                                                                     |
| <b>Protection class</b>                       | IP 66/67 construction, IP 68/69 terminal                                                                                                                                                            | IP 66/67 construction, IP 68/69 terminal                                                                                                                                                            | IP 66/67 construction, IP 68/69 terminal                                                                                                                                                            |
| <b>Construction</b>                           | Stainless steel AISI304                                                                                                                                                                             | Stainless steel AISI304                                                                                                                                                                             | Stainless steel AISI304                                                                                                                                                                             |
| <b>Weighing pan material</b>                  | Stainless steel AISI304                                                                                                                                                                             | Stainless steel AISI304                                                                                                                                                                             | Stainless steel AISI304                                                                                                                                                                             |
| <b>Communication interface</b>                |                                                                                                                                                                                                     |                                                                                                                                                                                                     |                                                                                                                                                                                                     |
| <b>Communication interface</b>                | 2×RS232, 2×USB-A, Ethernet, 4 IN / 4 OUT (digital)                                                                                                                                                  | 2×RS232, 2×USB-A, Ethernet, 4 IN / 4 OUT (digital)                                                                                                                                                  | 2×RS232, 2×USB-A, Ethernet, 4 IN / 4 OUT (digital)                                                                                                                                                  |
| <b>Optional interfaces</b>                    | module Wi-Fi 802.11 b/g/n, module Profibus (DP SLAVE), module RS485, module PROFINET (RJ45), analog output module (4-20mA, 0-20mA, 0-10V) , 12IN / 12OUT (IN – 5-24 VDC, OUT – max 30 VDC, 0,5 ADC) | module Wi-Fi 802.11 b/g/n, module Profibus (DP SLAVE), module RS485, module PROFINET (RJ45), analog output module (4-20mA, 0-20mA, 0-10V) , 12IN / 12OUT (IN – 5-24 VDC, OUT – max 30 VDC, 0,5 ADC) | module Wi-Fi 802.11 b/g/n, module Profibus (DP SLAVE), module RS485, module PROFINET (RJ45), analog output module (4-20mA, 0-20mA, 0-10V) , 12IN / 12OUT (IN – 5-24 VDC, OUT – max 30 VDC, 0,5 ADC) |
| <b>Electrical parameters</b>                  |                                                                                                                                                                                                     |                                                                                                                                                                                                     |                                                                                                                                                                                                     |
| <b>Power supply</b>                           | 100 – 240 V AC 50/60 Hz                                                                                                                                                                             | 100 – 240 V AC 50/60 Hz                                                                                                                                                                             | 100 – 240 V AC 50/60 Hz                                                                                                                                                                             |
| <b>Environmental conditions</b>               |                                                                                                                                                                                                     |                                                                                                                                                                                                     |                                                                                                                                                                                                     |
| <b>Operating temperature</b>                  | +10 ÷ +40 °C                                                                                                                                                                                        | +10 ÷ +40 °C                                                                                                                                                                                        | +10 ÷ +40 °C                                                                                                                                                                                        |
| <b>Relative humidity</b>                      | 40% ÷ 80%                                                                                                                                                                                           | 40% ÷ 80%                                                                                                                                                                                           | 40% ÷ 80%                                                                                                                                                                                           |

Repeatability is expressed as the standard deviation of ten load placements. Relative humidity under non-condensing conditions. Stabilization time under optimal environmental conditions.

# Datasheet

|                                        | HY10.300.1.HRP.H High Resolution Scale                                                                                                                                                              | HY10.300.HRP.H.M2.1 High Resolution Scale                                                                                                                                                           | HY10.2000.HRP.H.M3 High Resolution Scale                                                                                                                                                            |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Metrological parameters                |                                                                                                                                                                                                     |                                                                                                                                                                                                     |                                                                                                                                                                                                     |
| Maximum capacity [Max]                 | 300 kg                                                                                                                                                                                              | 300 kg                                                                                                                                                                                              | 500 / 1000 / 2000 kg                                                                                                                                                                                |
| Minimum load                           | 50 g                                                                                                                                                                                                | 50 g                                                                                                                                                                                                | 1000 / 2000 / 4000 g                                                                                                                                                                                |
| Preload range                          | 60 kg                                                                                                                                                                                               | 60 kg                                                                                                                                                                                               | 200 kg                                                                                                                                                                                              |
| Readability [d]                        | 1 g                                                                                                                                                                                                 | 1 g                                                                                                                                                                                                 | 50 / 100 / 200 g                                                                                                                                                                                    |
| Verification unit [e]                  |                                                                                                                                                                                                     | 10 g                                                                                                                                                                                                | 50 / 100 / 200 g                                                                                                                                                                                    |
| Tare range                             | -300 kg                                                                                                                                                                                             | -300 kg                                                                                                                                                                                             | -2000 kg                                                                                                                                                                                            |
| Repeatability                          | 3 g                                                                                                                                                                                                 | 3 g                                                                                                                                                                                                 | 15 / 30 / 60 g                                                                                                                                                                                      |
| Linearity                              | ±6 g                                                                                                                                                                                                | ±6 g                                                                                                                                                                                                | ±50 / ±100 / ±200 g                                                                                                                                                                                 |
| Stabilization time                     | 3 s                                                                                                                                                                                                 | 3 s                                                                                                                                                                                                 | 3 s                                                                                                                                                                                                 |
| Adjustment                             | internal (automatic)                                                                                                                                                                                | internal (automatic)                                                                                                                                                                                | internal (automatic)                                                                                                                                                                                |
| OIML Class                             |                                                                                                                                                                                                     | II                                                                                                                                                                                                  | III                                                                                                                                                                                                 |
| Maximum quantity of verification units | —                                                                                                                                                                                                   | 30000 e                                                                                                                                                                                             | 10000 e / 10000 e / 10000 e                                                                                                                                                                         |
| Physical parameters                    |                                                                                                                                                                                                     |                                                                                                                                                                                                     |                                                                                                                                                                                                     |
| Display                                | 10" graphic colour touchscreen                                                                                                                                                                      | 10" graphic colour touchscreen                                                                                                                                                                      | 10" graphic colour touchscreen                                                                                                                                                                      |
| Weighing pan dimensions                | 1000×800 mm                                                                                                                                                                                         | 800×600 mm                                                                                                                                                                                          | 1250×1000 mm                                                                                                                                                                                        |
| Packaging dimensions                   | 1000×1200×666 mm                                                                                                                                                                                    | 800×1000×537 mm                                                                                                                                                                                     | —                                                                                                                                                                                                   |
| Net weight                             | 126 kg                                                                                                                                                                                              | 71,5 kg                                                                                                                                                                                             |                                                                                                                                                                                                     |
| Gross weight                           | 160 kg                                                                                                                                                                                              | 119 kg                                                                                                                                                                                              | —                                                                                                                                                                                                   |
| Construction                           |                                                                                                                                                                                                     |                                                                                                                                                                                                     |                                                                                                                                                                                                     |
| Protection class                       | IP 66/67 construction, IP 68/69 terminal                                                                                                                                                            | IP 66/67 construction, IP 68/69 terminal                                                                                                                                                            | IP 66/67 construction, IP 68/69 terminal                                                                                                                                                            |
| Construction                           | Stainless steel AISI304                                                                                                                                                                             | Stainless steel AISI304                                                                                                                                                                             | Stainless steel AISI304                                                                                                                                                                             |
| Weighing pan material                  | Stainless steel AISI304                                                                                                                                                                             | Stainless steel AISI304                                                                                                                                                                             | Stainless steel AISI304                                                                                                                                                                             |
| Communication interface                |                                                                                                                                                                                                     |                                                                                                                                                                                                     |                                                                                                                                                                                                     |
| Communication interface                | 2×RS232, 2×USB-A, Ethernet, 4 IN / 4 OUT (digital)                                                                                                                                                  | 2×RS232, 2×USB-A, Ethernet, 4 IN / 4 OUT (digital)                                                                                                                                                  | 2×RS232, 2×USB-A, Ethernet, 4 IN / 4 OUT (digital)                                                                                                                                                  |
| Optional interfaces                    | module Wi-Fi 802.11 b/g/n, module Profibus (DP SLAVE), module RS485, module PROFINET (RJ45), analog output module (4-20mA, 0-20mA, 0-10V) , 12IN / 12OUT (IN – 5-24 VDC, OUT – max 30 VDC, 0,5 ADC) | module Wi-Fi 802.11 b/g/n, module Profibus (DP SLAVE), module RS485, module PROFINET (RJ45), analog output module (4-20mA, 0-20mA, 0-10V) , 12IN / 12OUT (IN – 5-24 VDC, OUT – max 30 VDC, 0,5 ADC) | module Wi-Fi 802.11 b/g/n, module Profibus (DP SLAVE), module RS485, module PROFINET (RJ45), analog output module (4-20mA, 0-20mA, 0-10V) , 12IN / 12OUT (IN – 5-24 VDC, OUT – max 30 VDC, 0,5 ADC) |
| Electrical parameters                  |                                                                                                                                                                                                     |                                                                                                                                                                                                     |                                                                                                                                                                                                     |
| Power supply                           | 100 – 240 V AC 50/60 Hz                                                                                                                                                                             | 100 – 240 V AC 50/60 Hz                                                                                                                                                                             | 100 – 240 V AC 50/60 Hz                                                                                                                                                                             |
| Environmental conditions               |                                                                                                                                                                                                     |                                                                                                                                                                                                     |                                                                                                                                                                                                     |
| Operating temperature                  | +10 ÷ +40 °C                                                                                                                                                                                        | +10 ÷ +40 °C                                                                                                                                                                                        | +10 ÷ +40 °C                                                                                                                                                                                        |
| Relative humidity                      | 40% ÷ 80%                                                                                                                                                                                           | 40% ÷ 80%                                                                                                                                                                                           | 40% ÷ 80%                                                                                                                                                                                           |

Repeatability is expressed as the standard deviation of ten load placements. Relative humidity under non-condensing conditions. Stabilization time under optimal environmental conditions.

# Datasheet

|                                               | HY10.600.HRP.H.M2.1 High Resolution Scale                                                                                                                                                           | HY10.600.HRP.H High Resolution Scale                                                                                                                                                                | HY10.600.HRP.H.M2.2 High Resolution Scale                                                                                                                                                           |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Metrological parameters</b>                |                                                                                                                                                                                                     |                                                                                                                                                                                                     |                                                                                                                                                                                                     |
| <b>Maximum capacity [Max]</b>                 | 600 kg                                                                                                                                                                                              | 600 kg                                                                                                                                                                                              | 600 kg                                                                                                                                                                                              |
| <b>Minimum load</b>                           | 500 g                                                                                                                                                                                               | 250 g                                                                                                                                                                                               | 1000 g                                                                                                                                                                                              |
| <b>Preload range</b>                          | 60 kg                                                                                                                                                                                               | 60 kg                                                                                                                                                                                               | 60 kg                                                                                                                                                                                               |
| <b>Readability [d]</b>                        | 10 g                                                                                                                                                                                                | 5 g                                                                                                                                                                                                 | 20 g                                                                                                                                                                                                |
| <b>Verification unit [e]</b>                  | 100 g                                                                                                                                                                                               |                                                                                                                                                                                                     | 20 g                                                                                                                                                                                                |
| <b>Tare range</b>                             | -600 kg                                                                                                                                                                                             | -600 kg                                                                                                                                                                                             | -600 kg                                                                                                                                                                                             |
| <b>Repeatability</b>                          | 7,5 g                                                                                                                                                                                               | 7,5 g                                                                                                                                                                                               | 7,5 g                                                                                                                                                                                               |
| <b>Linearity</b>                              | ±15 g                                                                                                                                                                                               | ±15 g                                                                                                                                                                                               | ±20 g                                                                                                                                                                                               |
| <b>Stabilization time</b>                     | 3 s                                                                                                                                                                                                 | 3 s                                                                                                                                                                                                 | 3 s                                                                                                                                                                                                 |
| <b>Adjustment</b>                             | internal (automatic)                                                                                                                                                                                | internal (automatic)                                                                                                                                                                                | internal (automatic)                                                                                                                                                                                |
| <b>OIML Class</b>                             | II                                                                                                                                                                                                  |                                                                                                                                                                                                     | II                                                                                                                                                                                                  |
| <b>Maximum quantity of verification units</b> | 6000 e                                                                                                                                                                                              | —                                                                                                                                                                                                   | 30000 e                                                                                                                                                                                             |
| <b>Physical parameters</b>                    |                                                                                                                                                                                                     |                                                                                                                                                                                                     |                                                                                                                                                                                                     |
| <b>Display</b>                                | 10" graphic colour touchscreen                                                                                                                                                                      | 10" graphic colour touchscreen                                                                                                                                                                      | 10" graphic colour touchscreen                                                                                                                                                                      |
| <b>Weighing pan dimensions</b>                | 1000×800 mm                                                                                                                                                                                         | 1000×800 mm                                                                                                                                                                                         | 1000×800 mm                                                                                                                                                                                         |
| <b>Packaging dimensions</b>                   | 1000×1200×666 mm                                                                                                                                                                                    | 1000×1200×666 mm                                                                                                                                                                                    | 1000×1200×666 mm                                                                                                                                                                                    |
| <b>Net weight</b>                             | 126 kg                                                                                                                                                                                              | 126 kg                                                                                                                                                                                              | 126 kg                                                                                                                                                                                              |
| <b>Gross weight</b>                           | 160 kg                                                                                                                                                                                              | 160 kg                                                                                                                                                                                              | 160 kg                                                                                                                                                                                              |
| <b>Construction</b>                           |                                                                                                                                                                                                     |                                                                                                                                                                                                     |                                                                                                                                                                                                     |
| <b>Protection class</b>                       | IP 66/67 construction, IP 68/69 terminal                                                                                                                                                            | IP 66/67 construction, IP 68/69 terminal                                                                                                                                                            | IP 66/67 construction, IP 68/69 terminal                                                                                                                                                            |
| <b>Construction</b>                           | Stainless steel AISI304                                                                                                                                                                             | Stainless steel AISI304                                                                                                                                                                             | Stainless steel AISI304                                                                                                                                                                             |
| <b>Weighing pan material</b>                  | Stainless steel AISI304                                                                                                                                                                             | Stainless steel AISI304                                                                                                                                                                             | Stainless steel AISI304                                                                                                                                                                             |
| <b>Communication interface</b>                |                                                                                                                                                                                                     |                                                                                                                                                                                                     |                                                                                                                                                                                                     |
| <b>Communication interface</b>                | 2×RS232, 2×USB-A, Ethernet, 4 IN / 4 OUT (digital)                                                                                                                                                  | 2×RS232, 2×USB-A, Ethernet, 4 IN / 4 OUT (digital)                                                                                                                                                  | 2×RS232, 2×USB-A, Ethernet, 4 IN / 4 OUT (digital)                                                                                                                                                  |
| <b>Optional interfaces</b>                    | module Wi-Fi 802.11 b/g/n, module Profibus (DP SLAVE), module RS485, module PROFINET (RJ45), analog output module (4-20mA, 0-20mA, 0-10V) , 12IN / 12OUT (IN – 5-24 VDC, OUT – max 30 VDC, 0,5 ADC) | module Wi-Fi 802.11 b/g/n, module Profibus (DP SLAVE), module RS485, module PROFINET (RJ45), analog output module (4-20mA, 0-20mA, 0-10V) , 12IN / 12OUT (IN – 5-24 VDC, OUT – max 30 VDC, 0,5 ADC) | module Wi-Fi 802.11 b/g/n, module Profibus (DP SLAVE), module RS485, module PROFINET (RJ45), analog output module (4-20mA, 0-20mA, 0-10V) , 12IN / 12OUT (IN – 5-24 VDC, OUT – max 30 VDC, 0,5 ADC) |
| <b>Electrical parameters</b>                  |                                                                                                                                                                                                     |                                                                                                                                                                                                     |                                                                                                                                                                                                     |
| <b>Power supply</b>                           | 100 – 240 V AC 50/60 Hz                                                                                                                                                                             | 100 – 240 V AC 50/60 Hz                                                                                                                                                                             | 100 – 240 V AC 50/60 Hz                                                                                                                                                                             |
| <b>Environmental conditions</b>               |                                                                                                                                                                                                     |                                                                                                                                                                                                     |                                                                                                                                                                                                     |
| <b>Operating temperature</b>                  | +10 ÷ +40 °C                                                                                                                                                                                        | +10 ÷ +40 °C                                                                                                                                                                                        | +10 ÷ +40 °C                                                                                                                                                                                        |
| <b>Relative humidity</b>                      | 40% ÷ 80%                                                                                                                                                                                           | 40% ÷ 80%                                                                                                                                                                                           | 40% ÷ 80%                                                                                                                                                                                           |

Repeatability is expressed as the standard deviation of ten load placements. Relative humidity under non-condensing conditions. Stabilization time under optimal environmental conditions.

# Datasheet

|                                               | HY10.1100.HRP.H High Resolution Scale                                                                                                                                                               | HY10.1100.HRP.H.M2.1 High Resolution Scale                                                                                                                                                          | HY10.1100.HRP.H.M2.2 High Resolution Scale                                                                                                                                                          |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Metrological parameters</b>                |                                                                                                                                                                                                     |                                                                                                                                                                                                     |                                                                                                                                                                                                     |
| <b>Maximum capacity [Max]</b>                 | 1100 kg                                                                                                                                                                                             | 1100 kg                                                                                                                                                                                             | 1100 kg                                                                                                                                                                                             |
| <b>Minimum load</b>                           | 500 g                                                                                                                                                                                               | 500 g                                                                                                                                                                                               | 2500 g                                                                                                                                                                                              |
| <b>Preload range</b>                          | 100 kg                                                                                                                                                                                              | 100 kg                                                                                                                                                                                              | 100 kg                                                                                                                                                                                              |
| <b>Readability [d]</b>                        | 10 g                                                                                                                                                                                                | 10 g                                                                                                                                                                                                | 50 g                                                                                                                                                                                                |
| <b>Verification unit [e]</b>                  |                                                                                                                                                                                                     | 100 g                                                                                                                                                                                               | 50 g                                                                                                                                                                                                |
| <b>Tare range</b>                             | -1100 kg                                                                                                                                                                                            | -1100 kg                                                                                                                                                                                            | -1100 kg                                                                                                                                                                                            |
| <b>Repeatability</b>                          | 15 g                                                                                                                                                                                                | 15 g                                                                                                                                                                                                | 15 g                                                                                                                                                                                                |
| <b>Linearity</b>                              | ±30 g                                                                                                                                                                                               | ±30 g                                                                                                                                                                                               | ±50 g                                                                                                                                                                                               |
| <b>Stabilization time</b>                     | 3 s                                                                                                                                                                                                 | 3 s                                                                                                                                                                                                 | 3 s                                                                                                                                                                                                 |
| <b>Adjustment</b>                             | internal (automatic)                                                                                                                                                                                | internal (automatic)                                                                                                                                                                                | internal (automatic)                                                                                                                                                                                |
| <b>OIML Class</b>                             |                                                                                                                                                                                                     | II                                                                                                                                                                                                  | II                                                                                                                                                                                                  |
| <b>Maximum quantity of verification units</b> |                                                                                                                                                                                                     | 11000 e                                                                                                                                                                                             | 22000 e                                                                                                                                                                                             |
| <b>Physical parameters</b>                    |                                                                                                                                                                                                     |                                                                                                                                                                                                     |                                                                                                                                                                                                     |
| <b>Display</b>                                | 10" graphic colour touchscreen                                                                                                                                                                      | 10" graphic colour touchscreen                                                                                                                                                                      | 10" graphic colour touchscreen                                                                                                                                                                      |
| <b>Weighing pan dimensions</b>                | 1000×800 mm                                                                                                                                                                                         | 1000×800 mm                                                                                                                                                                                         | 1000×800 mm                                                                                                                                                                                         |
| <b>Packaging dimensions</b>                   | 1000×1200×666 mm                                                                                                                                                                                    | 1000×1200×666 mm                                                                                                                                                                                    | 1000×1200×666 mm                                                                                                                                                                                    |
| <b>Net weight</b>                             | 126 kg                                                                                                                                                                                              | 126 kg                                                                                                                                                                                              | 126 kg                                                                                                                                                                                              |
| <b>Gross weight</b>                           | 160 kg                                                                                                                                                                                              | 160 kg                                                                                                                                                                                              | 160 kg                                                                                                                                                                                              |
| <b>Construction</b>                           |                                                                                                                                                                                                     |                                                                                                                                                                                                     |                                                                                                                                                                                                     |
| <b>Protection class</b>                       | IP 66/67 construction, IP 68/69 terminal                                                                                                                                                            | IP 66/67 construction, IP 68/69 terminal                                                                                                                                                            | IP 66/67 construction, IP 68/69 terminal                                                                                                                                                            |
| <b>Construction</b>                           | Stainless steel AISI304                                                                                                                                                                             | Stainless steel AISI304                                                                                                                                                                             | Stainless steel AISI304                                                                                                                                                                             |
| <b>Weighing pan material</b>                  | Stainless steel AISI304                                                                                                                                                                             | Stainless steel AISI304                                                                                                                                                                             | Stainless steel AISI304                                                                                                                                                                             |
| <b>Communication interface</b>                |                                                                                                                                                                                                     |                                                                                                                                                                                                     |                                                                                                                                                                                                     |
| <b>Communication interface</b>                | 2×RS232, 2×USB-A, Ethernet, 4 IN / 4 OUT (digital)                                                                                                                                                  | 2×RS232, 2×USB-A, Ethernet, 4 IN / 4 OUT (digital)                                                                                                                                                  | 2×RS232, 2×USB-A, Ethernet, 4 IN / 4 OUT (digital)                                                                                                                                                  |
| <b>Optional interfaces</b>                    | module Wi-Fi 802.11 b/g/n, module Profibus (DP SLAVE), module RS485, module PROFINET (RJ45), analog output module (4-20mA, 0-20mA, 0-10V) , 12IN / 12OUT (IN – 5-24 VDC, OUT – max 30 VDC, 0,5 ADC) | module Wi-Fi 802.11 b/g/n, module Profibus (DP SLAVE), module RS485, module PROFINET (RJ45), analog output module (4-20mA, 0-20mA, 0-10V) , 12IN / 12OUT (IN – 5-24 VDC, OUT – max 30 VDC, 0,5 ADC) | module Wi-Fi 802.11 b/g/n, module Profibus (DP SLAVE), module RS485, module PROFINET (RJ45), analog output module (4-20mA, 0-20mA, 0-10V) , 12IN / 12OUT (IN – 5-24 VDC, OUT – max 30 VDC, 0,5 ADC) |
| <b>Electrical parameters</b>                  |                                                                                                                                                                                                     |                                                                                                                                                                                                     |                                                                                                                                                                                                     |
| <b>Power supply</b>                           | 100 – 240 V AC 50/60 Hz                                                                                                                                                                             | 100 – 240 V AC 50/60 Hz                                                                                                                                                                             | 100 – 240 V AC 50/60 Hz                                                                                                                                                                             |
| <b>Environmental conditions</b>               |                                                                                                                                                                                                     |                                                                                                                                                                                                     |                                                                                                                                                                                                     |
| <b>Operating temperature</b>                  | +10 ÷ +40 °C                                                                                                                                                                                        | +10 ÷ +40 °C                                                                                                                                                                                        | +10 ÷ +40 °C                                                                                                                                                                                        |
| <b>Relative humidity</b>                      | 40% ÷ 80%                                                                                                                                                                                           | 40% ÷ 80%                                                                                                                                                                                           | 40% ÷ 80%                                                                                                                                                                                           |

Repeatability is expressed as the standard deviation of ten load placements. Relative humidity under non-condensing conditions. Stabilization time under optimal environmental conditions.

# Datasheet

|                                        | HY10.2000.HRP.H.M2.1 High Resolution Scale                                                                                                                                                          | HY10.2000.HRP.H High Resolution Scale                                                                                                                                                               |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Metrological parameters</b>         |                                                                                                                                                                                                     |                                                                                                                                                                                                     |
| Maximum capacity [Max]                 | 2000 kg                                                                                                                                                                                             | 2000 kg                                                                                                                                                                                             |
| Minimum load                           | 500 g                                                                                                                                                                                               | 500 g                                                                                                                                                                                               |
| Preload range                          | 200 kg                                                                                                                                                                                              | 200 kg                                                                                                                                                                                              |
| Readability [d]                        | 10 g                                                                                                                                                                                                | 10 g                                                                                                                                                                                                |
| Verification unit [e]                  | 100 g                                                                                                                                                                                               |                                                                                                                                                                                                     |
| Tare range                             | -2000 kg                                                                                                                                                                                            | -2000 kg                                                                                                                                                                                            |
| Repeatability                          | 30 g                                                                                                                                                                                                | 30 g                                                                                                                                                                                                |
| Linearity                              | ±60 g                                                                                                                                                                                               | ±60 g                                                                                                                                                                                               |
| Stabilization time                     | 3 s                                                                                                                                                                                                 | 3 s                                                                                                                                                                                                 |
| Adjustment                             | internal (automatic)                                                                                                                                                                                | internal (automatic)                                                                                                                                                                                |
| OIML Class                             | II                                                                                                                                                                                                  |                                                                                                                                                                                                     |
| Maximum quantity of verification units | 20000 e                                                                                                                                                                                             | —                                                                                                                                                                                                   |
| <b>Physical parameters</b>             |                                                                                                                                                                                                     |                                                                                                                                                                                                     |
| Display                                | 10" graphic colour touchscreen                                                                                                                                                                      | 10" graphic colour touchscreen                                                                                                                                                                      |
| Weighing pan dimensions                | 1250×1000 mm                                                                                                                                                                                        | 1250×1000 mm                                                                                                                                                                                        |
| Packaging dimensions                   | —                                                                                                                                                                                                   | 1250×1500×843 mm                                                                                                                                                                                    |
| Net weight                             |                                                                                                                                                                                                     | 300 kg                                                                                                                                                                                              |
| Gross weight                           | —                                                                                                                                                                                                   | 425 kg                                                                                                                                                                                              |
| <b>Construction</b>                    |                                                                                                                                                                                                     |                                                                                                                                                                                                     |
| Protection class                       | IP 66/67 construction, IP 68/69 terminal                                                                                                                                                            | IP 66/67 construction, IP 68/69 terminal                                                                                                                                                            |
| Construction                           | Stainless steel AISI304                                                                                                                                                                             | Stainless steel AISI304                                                                                                                                                                             |
| Weighing pan material                  | Stainless steel AISI304                                                                                                                                                                             | Stainless steel AISI304                                                                                                                                                                             |
| <b>Communication interface</b>         |                                                                                                                                                                                                     |                                                                                                                                                                                                     |
| Communication interface                | 2×RS232, 2×USB-A, Ethernet, 4 IN / 4 OUT (digital)                                                                                                                                                  | 2×RS232, 2×USB-A, Ethernet, 4 IN / 4 OUT (digital)                                                                                                                                                  |
| Optional interfaces                    | module Wi-Fi 802.11 b/g/n, module Profibus (DP SLAVE), module RS485, module PROFINET (RJ45), analog output module (4-20mA, 0-20mA, 0-10V) , 12IN / 12OUT (IN – 5-24 VDC, OUT – max 30 VDC, 0,5 ADC) | module Wi-Fi 802.11 b/g/n, module Profibus (DP SLAVE), module RS485, module PROFINET (RJ45), analog output module (4-20mA, 0-20mA, 0-10V) , 12IN / 12OUT (IN – 5-24 VDC, OUT – max 30 VDC, 0,5 ADC) |
| <b>Electrical parameters</b>           |                                                                                                                                                                                                     |                                                                                                                                                                                                     |
| Power supply                           | 100 – 240 V AC 50/60 Hz                                                                                                                                                                             | 100 – 240 V AC 50/60 Hz                                                                                                                                                                             |
| <b>Environmental conditions</b>        |                                                                                                                                                                                                     |                                                                                                                                                                                                     |
| Operating temperature                  | +10 ÷ +40 °C                                                                                                                                                                                        | +10 ÷ +40 °C                                                                                                                                                                                        |
| Relative humidity                      | 40% ÷ 80%                                                                                                                                                                                           | 40% ÷ 80%                                                                                                                                                                                           |

Repeatability is expressed as the standard deviation of ten load placements. Relative humidity under non-condensing conditions. Stabilization time under optimal environmental conditions.

\* Wi-Fi® is a registered trademark of Wi-Fi® Alliance.



Extra payment for verification



## Accessories

RS 232 cables (scale - printer)  
Transponder card readers

Label Printers  
Stands, wall mounting kits and mounting brackets

RS 232 cables (scale - ZEBRA printer)  
RS 232 cables (scale - Ethernet)  
Displays  
RS 232, RS 485 cables  
IN/OUT Cables  
Barcode scanners

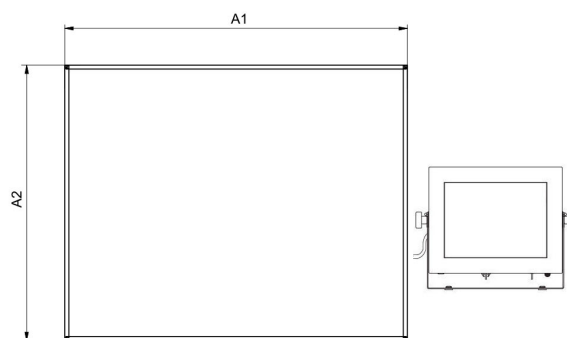
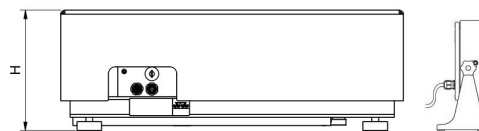
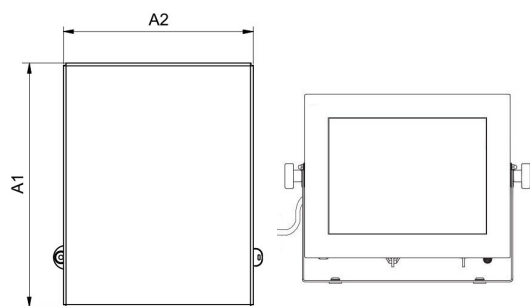
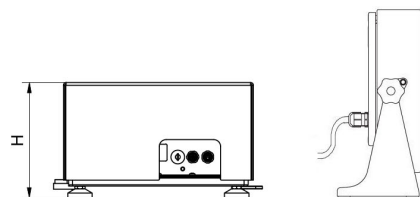
Keypad, external switches  
Receipt Printer  
USB cable (scale - printer)  
Additional Weighing platforms Module  
Additional modules  
RS 232 – USB Converter

## Software

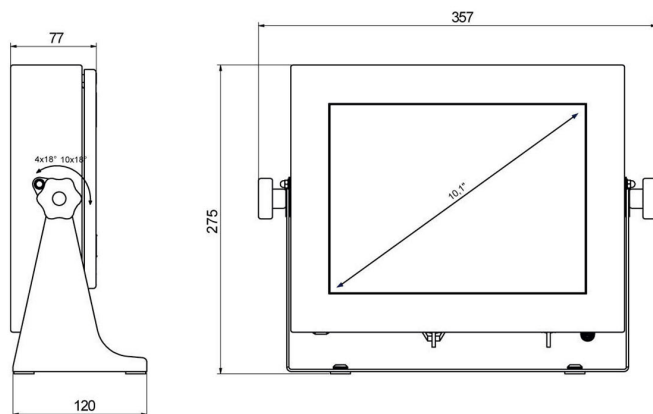
E2R System  
Audit Trail Reader  
RADWAG Remote Desktop  
Scales Editor 2.1

RAD-KEY  
Label Editor R02  
R-LAB  
RADWAG Development Studio

## Device dimensions



HY10.16 - 32.HRP.H



| Scale type              | A1   | A2   | H     |
|-------------------------|------|------|-------|
| HY10.(16-32).HRP.H      | 360  | 280  | 180±5 |
| HY10.(62-150).HRP.H     | 500  | 400  | 180±5 |
| HY10.150.2.HRP.H        | 500  | 500  | 180±5 |
| HY10.(150.1-300).HRP.H  | 800  | 600  | 180±5 |
| HY10.(300.1-1100).HRP.H | 1000 | 800  | 180±5 |
| HY10.(2000).HRP.H       | 1250 | 1000 | 180±5 |

Dimensions in mm

PUE HY10