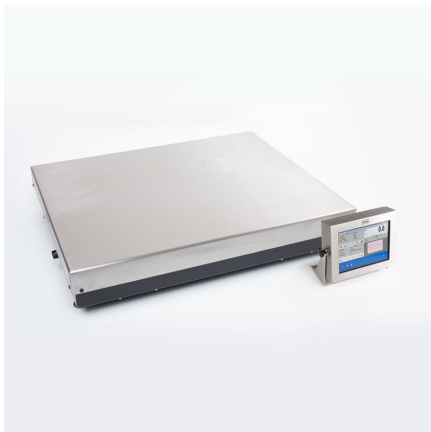




More information on the website
radwag.com/en/info,w1,5AP

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
Metrological parameters			
Maximum capacity [Max]	150 kg	150 kg	150 kg
Minimum load	50 g	250 g	50 g
Preload range	30 kg	30 kg	30 kg
Readability [d]	1 g	5 g	1 g
Verification unit [e]	10 g	5 g	
Tare range	-150 kg	-150 kg	-150 kg
Repeatability	1,5 g	1,5 g	1,5 g
Linearity	±3 g	±5 g	±3 g
Stabilization time	3 s	3 s	3 s
Adjustment	internal (automatic)	internal (automatic)	internal (automatic)
OIML Class	II	II	
Maximum quantity of verification units	15000 e	30000 e	—
Physical parameters			
Display	10" graphic colour touchscreen	10" graphic colour touchscreen	10" graphic colour touchscreen
Weighing pan dimensions	800×600 mm	800×600 mm	800×600 mm
Packaging dimensions	800×1000×537 mm	800×1000×537 mm	800×1000×537 mm
Net weight	71,5 kg	71,5 kg	71,5 kg
Gross weight	119 kg	119 kg	119 kg
Construction			
Protection class	IP 66/67 construction, IP 68/69 indicator	IP 66/67 construction, IP 68/69 indicator	IP 66/67 construction, IP 68/69 indicator
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

	HY10.1000.HRP.H.M3 High Resolution Scale	HY10.300.HRP.H High Resolution Scale	HY10.300.1.HRP.H.M2.1 High Resolution Scale
Metrological parameters			
Maximum capacity [Max]	200 / 500 / 1000 kg	300 kg	300 kg
Minimum load	400 / 1000 / 2000 g	50 g	50 g
Preload range	100 kg	60 kg	60 kg
Readability [d]	20 / 50 / 100 g	1 g	1 g
Verification unit [e]	20 / 50 / 100 g		10 g
Tare range	-1000 kg	-300 kg	-300 kg
Repeatability	15 / 15 / 30 g	3 g	3 g
Linearity	±20 / ±50 / ±100 g	±6 g	±6 g
Stabilization time	3 s	3 s	3 s
Adjustment	internal (automatic)	internal (automatic)	internal (automatic)
OIML Class	III		II
Maximum quantity of verification units	10000 / 10000 / 10000 e	—	30000 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	1000×800 mm
Packaging dimensions	1000×1200×666 mm	800×1000×537 mm	1000×1200×666 mm
Net weight	126 kg	71,5 kg	126 kg
Gross weight	160 kg	119 kg	160 kg
Construction			
Protection class	IP 66/67 construction, IP 68/69 indicator	IP 66/67 construction, IP 68/69 indicator	IP 66/67 construction, IP 68/69 indicator
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

	HY10.300.1.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 indicator	IP 66/67 construction, IP 68/69 indicator	IP 66/67 construction, IP 68/69 indicator
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
Metrological parameters			
Maximum capacity [Max]	600 kg	600 kg	600 kg
Minimum load	500 g	250 g	1000 g
Preload range	60 kg	60 kg	60 kg
Readability [d]	10 g	5 g	20 g
Verification unit [e]	100 g		20 g
Tare range	-600 kg	-600 kg	-600 kg
Repeatability	7,5 g	7,5 g	7,5 g
Linearity	±15 g	±15 g	±20 g
Stabilization time	3 s	3 s	3 s
Adjustment	internal (automatic)	internal (automatic)	internal (automatic)
OIML Class	II		II
Maximum quantity of verification units	6000 e	—	30000 e
Physical parameters			
Display	10" graphic colour touchscreen	10" graphic colour touchscreen	10" graphic colour touchscreen
Weighing pan dimensions	1000×800 mm	1000×800 mm	1000×800 mm
Packaging dimensions	1000×1200×666 mm	1000×1200×666 mm	1000×1200×666 mm
Net weight	126 kg	126 kg	126 kg
Gross weight	160 kg	160 kg	160 kg
Construction			
Protection class	IP 66/67 construction, IP 68/69 indicator	IP 66/67 construction, IP 68/69 indicator	IP 66/67 construction, IP 68/69 indicator
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

	HY10.1100.HRP.H High Resolution Scale	HY10.1100.HRP.H.M2.1 High Resolution Scale	HY10.1100.HRP.H.M2.2 High Resolution Scale
Metrological parameters			
Maximum capacity [Max]	1100 kg	1100 kg	1100 kg
Minimum load	500 g	500 g	2500 g
Preload range	100 kg	100 kg	100 kg
Readability [d]	10 g	10 g	50 g
Verification unit [e]		100 g	50 g
Tare range	-1100 kg	-1100 kg	-1100 kg
Repeatability	15 g	15 g	15 g
Linearity	±30 g	±30 g	±50 g
Stabilization time	3 s	3 s	3 s
Adjustment	internal (automatic)	internal (automatic)	internal (automatic)
OIML Class		II	II
Maximum quantity of verification units		11000 e	22000 e
Physical parameters			
Display	10" graphic colour touchscreen	10" graphic colour touchscreen	10" graphic colour touchscreen
Weighing pan dimensions	1000×800 mm	1000×800 mm	1000×800 mm
Packaging dimensions	1000×1200×666 mm	1000×1200×666 mm	1000×1200×666 mm
Net weight	126 kg	126 kg	126 kg
Gross weight	160 kg	160 kg	160 kg
Construction			
Protection class	IP 66/67 construction, IP 68/69 indicator	IP 66/67 construction, IP 68/69 indicator	IP 66/67 construction, IP 68/69 indicator
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

	HY10.2000.HRP.H.M2.1 High Resolution Scale	HY10.2000.HRP.H High Resolution Scale
Metrological parameters		
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	—
Physical parameters		
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
Construction		
Protection class	IP 66/67 construction, IP 68/69 indicator	IP 66/67 construction, IP 68/69 indicator
Construction	Stainless steel AISI304	Stainless steel AISI304
Weighing pan material	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)
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)
Electrical parameters		
Power supply	100 – 240 V AC 50/60 Hz	100 – 240 V AC 50/60 Hz
Environmental conditions		
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

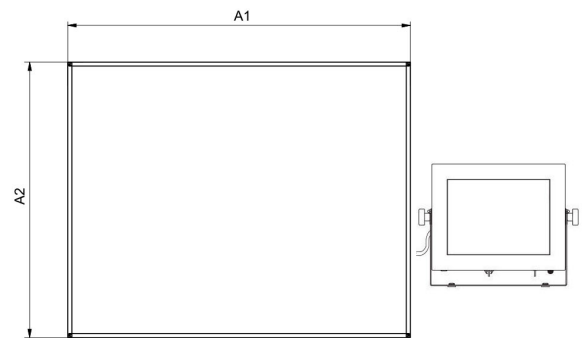
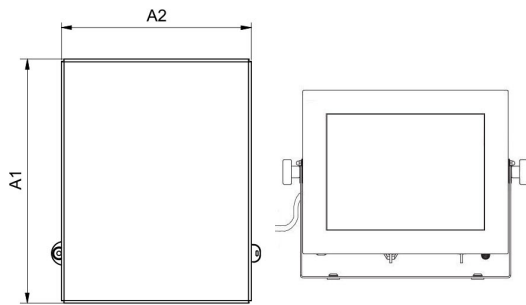
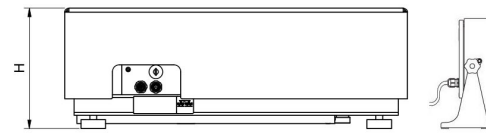
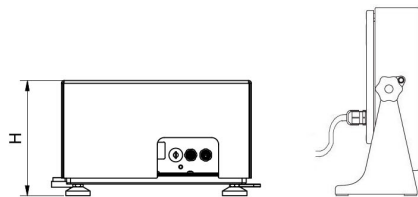
Keypad, external switches
Receipt Printer
USB cable (scale - printer)
Additional Weighing platforms Module
Additional modules
RS 232 – USB Converter

Software

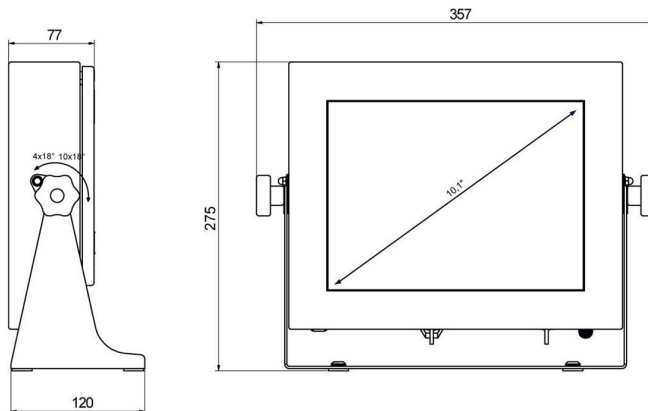
E2R System
Audit Trail Reader
RADWAG Remote Desktop
Scales Editor 2.1

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