

XA 4Y.A.KO Mass Comparator

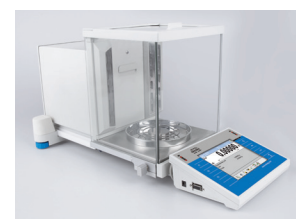
Professional manual mass comparators of the highest class.



XA 4Y.A.KO



Fully automatic balance levelling



Automatic door





Open-work weighing pan





Weighing-chamber-integrated antistatic ionizer


Functions


- 


Mass comparator
- 

Ambient conditions measurement
- 

Proximity sensors
- 

Replaceable units
- 

Multilingual menu
- 

Autotest
- 

Automatic sliding door

Features

Effective and Excellent Measurement

Professional XA 4Y.A.KO manual mass comparators enable comparison of 100 mg - 200 g weights of class E1, and 1 mg - 200 g weights of class E2 and lower.

Maximum Comfort of Operation







The mass comparator is equipped with aesthetic and spacious anti-draft chamber with automatic door. The open-work weighing pan reduces the influence of ambient conditions on carried out measurement.

Dedicated Software

Specially designed RMCS computer software enables comprehensive realisation of calibration procedures in laboratory. The system manages the whole calibration process, starting from the moment the order is placed, through procedure performance, to the moment of issuing the calibration certificate.

* Anti-draft shield does not come standard with the mass comparator.

Technical Specifications

| | | XA 6.4Y.A.KO | XA 21.4Y.A.KO | XA 52.4Y.A.KO |
|--|---|------------------------------------|------------------------------------|------------------------------------|
| OIML calibration range E1 |  | 100 mg ÷ 5 g | 500 mg ÷ 20 g | 20 g ÷ 50 g |
| OIML calibration range E2 |  | 1 mg ÷ 5 g | 10 mg ÷ 20 g | 500 mg ÷ 50 g |
| OIML calibration range F1 |  | 1 mg ÷ 5 g | 1 mg ÷ 20 g | 1 mg ÷ 50 g |
| OIML calibration range F2 |  | 1 mg ÷ 5 g | 1 mg ÷ 20 g | 1 mg ÷ 50 g |
| OIML calibration range M1 |  | 1 mg ÷ 5 g | 1 mg ÷ 20 g | 1 mg ÷ 50 g |
| OIML calibration range M2 |  | 1 mg ÷ 5 g | 1 mg ÷ 20 g | 1 mg ÷ 50 g |
| Maximum capacity [Max] | | 6 g | 21 g | 52 g |
| Readability [d] | | 0.001 mg | 0.001 mg | 0.005 mg |
| Repeatability absolute * | | 0.004 mg (5 g) | 0.006 mg (20 g) | 0.01 mg (50 g) |
| Repeatability nominal load * | | 0.002 mg (5 g) | 0.003 mg (20 g) | 0.006 mg (50 g) |
| Repeatability low load * | | 0.001 mg (500 mg) | 0.0012 mg (2 g) | 0.0025 mg (5 g) |
| Repeatability typical * | | 0.0015 mg (5 g) | 0.002 mg (20 g) | 0.004 mg (50 g) |
| Stabilization time | | 5 s | 5 s | 5 s |
| Adjustment | | internal | internal | internal |
| Electric compensation range | | 0 g ÷ 6 g | 0 g ÷ 21 g | 0 g ÷ 52 g |
| Eccentricity (for test weight) | | 1 d / 1 mm | 1 d / 1 mm | 1 d / 1 mm |
| Display | | 5.7" colour resistive touch screen | 5.7" colour resistive touch screen | 5.7" colour resistive touch screen |
| Keypad | | 8 keys | 8 keys | 8 keys |
| Ingress protection - indicator | | IP 43 | IP 43 | IP 43 |
| Touch-free operation | | 2 programmable sensors | 2 programmable sensors | 2 programmable sensors |
| USB-A | | 2 | 2 | 2 |
| Ethernet | | 10 / 100 Mbit | 10 / 100 Mbit | 10 / 100 Mbit |
| RS 232 | | 2 | 2 | 2 |
| Wi-Fi® | | 802.11 b/g/n | 802.11 b/g/n | 802.11 b/g/n |
| IN/OUT | | 4 × IN, 4 × OUT | 4 × IN, 4 × OUT | 4 × IN, 4 × OUT |
| Power supply | | 110 ÷ 230 V AC / 50 ÷ 60 Hz | 110 ÷ 230 V AC / 50 ÷ 60 Hz | 110 ÷ 230 V AC / 50 ÷ 60 Hz |
| Operating temperature | | +15 ÷ +35 °C | +15 ÷ +35 °C | +15 ÷ +35 °C |
| Operating temperature change rate | | ±1°C / 12 h | ±1°C / 12 h | ±1°C / 12 h |
| Relative humidity variations | | ±5% / 4 h | ±5% / 4 h | ±5% / 4 h |
| Relative humidity*** | | 40 ÷ 70% | 40 ÷ 70% | 40 ÷ 70% |
| Transport and storage temperature | | -20 ÷ +50 °C | -20 ÷ +50 °C | -20 ÷ +50 °C |
| Weighing pan dimensions | | ø 16 mm | ø 30 mm | ø 30 mm |
| Mass comparator dimensions** | | 564 × 253 × 300 mm | 564 × 253 × 300 mm | 564 × 253 × 300 mm |
| Indicator dimensions** | | 206 × 140 × 70 mm | 206 × 140 × 70 mm | 206 × 140 × 70 mm |
| Mass comparator net weight | | 14,7 kg | 14,7 kg | 14,7 kg |
| Mass comparator gross weight | | 19,1 kg | 19,1 kg | 19,1 kg |
| Mass comparator packaging dimensions** | | 720 × 385 × 485 mm | 720 × 385 × 485 mm | 720 × 385 × 485 mm |







* repeatability is expressed as a standard deviation determined for 6 ABBA cycles

** dimensions: length x width x depth

*** non-condensing conditions

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

Technical Specifications

| | | XA 200.4Y.A.KO |
|--|---|------------------------------------|
| OIML calibration range E1 |  | 200 g |
| OIML calibration range E2 |  | 50 g ÷ 200 g |
| OIML calibration range F1 |  | 1 g ÷ 200 g |
| OIML calibration range F2 |  | 50 mg ÷ 200 g |
| OIML calibration range M1 |  | 1 mg ÷ 200 g |
| OIML calibration range M2 |  | 1 mg ÷ 200 g |
| Maximum capacity [Max] | | 210 g |
| Readability [d] | | 0.01 mg |
| Repeatability absolute * | | 0.05 mg (200 g) |
| Repeatability nominal load * | | 0.025 mg (200 g) |
| Repeatability low load * | | 0.015 mg (10 g) |
| Repeatability typical * | | 0.02 mg (200 g) |
| Stabilization time | | 5 s |
| Adjustment | | internal |
| Electric compensation range | | 0 g ÷ 210 g |
| Eccentricity (for test weight) | | 1 d / 1 mm |
| Display | | 5.7" colour resistive touch screen |
| Keypad | | 8 keys |
| Ingress protection - indicator | | IP 43 |
| Touch-free operation | | 2 programmable sensors |
| USB-A | | 2 |
| Ethernet | | 10 / 100 Mbit |
| RS 232 | | 2 |
| Wi-Fi® | | 802.11 b/g/n |
| IN/OUT | | 4 × IN, 4 × OUT |
| Power supply | | 110 ÷ 230 V AC / 50 ÷ 60 Hz |
| Operating temperature | | +15 ÷ +35 °C |
| Operating temperature change rate | | ±1°C / 12 h |
| Relative humidity variations | | ±5% / 4 h |
| Relative humidity*** | | 40 ÷ 70% |
| Transport and storage temperature | | -20 ÷ +50 °C |
| Weighing pan dimensions | | ∅ 100 mm |
| Mass comparator dimensions** | | 564 × 253 × 300 mm |
| Indicator dimensions** | | 206 × 140 × 70 mm |
| Mass comparator net weight | | 14,7 kg |
| Mass comparator gross weight | | 19,1 kg |
| Mass comparator packaging dimensions** | | 720 × 385 × 485 mm |

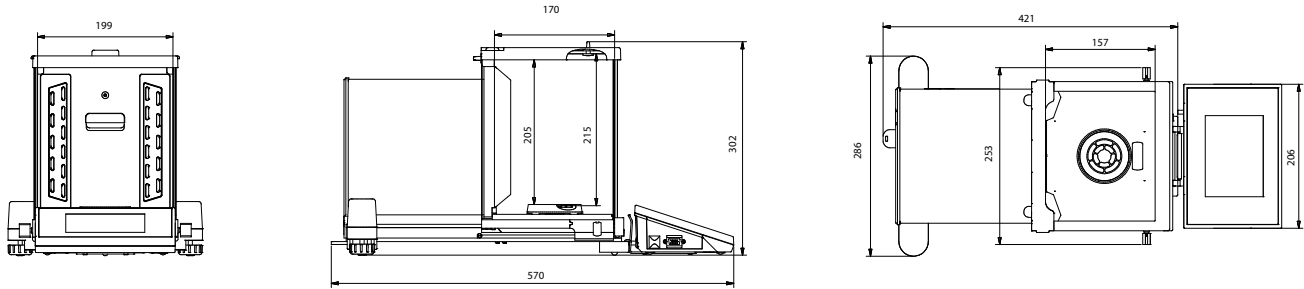
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Dimensions



XA 4Y.A.KO

Accessories

Weighing Tables

- granite anti-vibration table
- anti-vibration table for laboratory balances
- professional weighing table

Ambient Conditions

- THB-S or THB-P sensor

Peripheral Devices

- Epson dot matrix printer
- barcode scanner
- WD-5/3Y LCD display (backlit)

Cables, Converters

- RS-232 – P0108 computer cable
- RS-232 – P0167 computer cable
- RS-232 – P0151 Epson printer cable

Electrical Accessories

- power supply with ZR-02 battery

Dedicated Software

RMCS System

- performance of calibration procedures in a laboratory from the moment the order is placed, to the moment of issuing a calibration certificate
- compatible with THB sensors enabling recording ambient conditions
- export of report results to various files
- archiving calibration protocols, orders, certificates and ambient conditions

RADWAG Remote Desktop

- remote control of the mass comparator using computer, telephone or tablet
- sending text messages
- version for Windows 10 and Android systems

R-LAB

- collecting measurements
- carrying out statistical analysis of measurements
- customized graphs and reports

Parameters Editor

- remote change of parameters
- remote on-line preview of the display
- displaying current mass indication
- software update
- file loading, editing and saving parameters to a file
- import and export of parameters
- interfaces: RS232, Ethernet and Wireless Connection
- quick and easy edition of balance parameters using computer