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# AKM-2.50.5Y Automatic Mass Comparators

WL-411-0014



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

## Datasheet

Metrological parameters	
E1 Calibration Range	20 – 50 kg
E2 Calibration Range	5 – 50 kg
F1 Calibration Range	5 – 50 kg
F2 Calibration Range	5 – 50 kg
M1 Calibration Range	-
M2 Calibration Range	-
Maximum capacity [Max]	51 kg
Readability [d]	1 mg
Standard repeatability [Max]	2 mg
Permissible repeatability	3 mg
Linearity	±50 mg
Eccentricity (tested load)	0 mg
Electric compensation range	0 g – +51 kg
Stabilization time	30 s

Metrological parameters	
Adjustment	external
Physical parameters	
Display	10" graphic colour touchscreen
Weighing pan dimensions	ø100 mm
Weighing device dimensions	1050×650×1150 mm
Controlling device dimensions	249×170×72 mm
Packaging dimensions W x D x H	1770×900×1100 mm
Net weight	260 kg
Net weight	260 kg
Gross weight	380 kg
Gross weight	380 kg
Construction	
Supplementary weights internal	-
Supplementary weights external	-
Communication interface	
Communication interface	2×USB-A, USB-C, RS 232 (COM3), HDMI, Ethernet, Wi-Fi, Hotspot
Electrical parameters	
Power supply	100 – 240 V AC 50/60 Hz
Environmental conditions	
Operating temperature	+15 – +30 °C
Operating temperature change rate	±0.5 °C / 12 h (±0.3 °C / 4 h)
Relative humidity	40% – 60%
Relative humidity change rate	±5% / 12 h (3% / 4 h)

**Repeatability** is expressed as a standard deviation determined for 6 ABBA cycles. Standard deviation is experimentally determined under ambient conditions for calibration of E1 class mass standards specified in OIML R111 (Table C.1.) document.  
**E0 standard** determined from 1/5 limiting error according to OIML R111 for class E1

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## Accessories (Additional Fee)

RFID Tags  
 Additional modules  
 Protective cover for balances  
 Barcode scanners  
 RS 232, RS 485 cables

THBR 2.0 System - Ambient Conditions Monitoring  
 Receipt Printer  
 Fingerprint Reader  
 RS 232 cables (scale - printer)

## Software (Additional Fee)

• RAD Key [WX-010-0005]

• RMCS System Network Management of Calibration Process [WX-010-0048]

## Device dimensions W x D x H



AKM-2