

Automatic weighing up to 100 g



Highest accuracy

Thanks to the hanging weighing pan technology the weights automatically take centre position.



Automatic weighing

The automated 4-position weight handler determines the mass of the test weights without assistance.



Combined weights

Place up to three knob weights on each of the turntable's four places for downward or upward calibration.



Easy data management

During the automated weighing process, a Windows®-based software allows data to be transferred directly into the database, assuring full traceability.



AX107H / AX106H Comparators

Automatic operation guarantees highest accuracy

Meet highest demands thanks to a resolution of up to 110 million points and accelerate the determination of the mass of weights: METTLER TOLEDO AX107H and AX106H automatic comparators achieve nano-accuracy through fully automatic processes, hanging weighing pan technology and a unique design. The balance determines the mass of weights by using the 4-position turntable. A Windows®-based control software manages the collected data and offers full traceability. AX107H and AX106H comparators offer:

- Automatic weighing processes
- Resolution up to 110 million points
- Nano-accuracy

METTLER TOLEDO comparators guarantee top measurement performance.

Technical data

AX107H / AX106H comparator

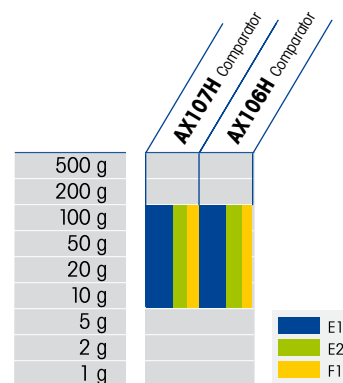
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	AX107H	AX106H
Maximum load	111 g	111 g
Readability	100 ng	1 µg
Repeatability at nominal load (5x ABA, measured at)	800 ng	1.5 µg
Repeatability typical ABA	600 ng	1.2 µg
Electrical weighing range	0...11 g	0...11 g
Dial weights	50, 30, 10, 10 g	50, 30, 10, 10 g
Linearity (electrical weighing range)	±8 µg	±8 µg
Eccentric load deviation (at test load)1)	0.0 µg (10 g)	0.0 µg (10 g)
Settling time	5 s	5 s
Adjustment built-in	Motorized	Motorized
Adjustment with external weight	10 g	10 g
Standard equipment		
Weight handler	Turntable, 4 positions	Turntable, 4 positions
Weight magazin	–	–
Software and controller	Windows®, standard	Windows®, standard
Vacuum chamber	–	–
Draft shield	Motorized	Motorized
Self centering pan	Integrated	Integrated
Weighing pan	Hanging pan	Hanging pan
SmartScreen	Touch Screen	Touch Screen
SmartSens	Standard	Standard
LevelControl	–	–
Separate display	Standard	Standard
Admissible environmental conditions		
Temperature (°C)	17 – 27	17 – 27
Max. temperature change (°C /24h)	0.1	0.1
Relative Humidity (%)	45 – 60	45 – 60
Dimensions		
Balance (WxDxH, mm)	346 x 514 x 432	346 x 514 x 432
Display unit (WxDxH, mm)	226 x 370 x 155	226 x 370 x 155
Balance weight (kg)	23	23
Object Diameter (D, mm)	8 – 30 mm	8 – 30 mm
Object Height (H, mm)	70 mm	70 mm
Control unit for weight handler	226 x 370 x 155	226 x 370 x 155
Accessories		
Reference weight certified	Optional	Optional
Klimet A30 certified 00222012	Optional	Optional
Temperature sensor for Klimet A30 (5m) 00222014	Optional	Optional

Other accessories on request



AX107H
AX106H



Quality certificate ISO9001
Environment certificate ISO14001
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Worldwide service

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