

XPR Small Mass Comparators

Unrivaled Accuracy up to 10 kg



Unrivaled Accuracy

The innovative LevelMatic weighing pan eliminates corner load effects increasing the accuracy of your weighing results.



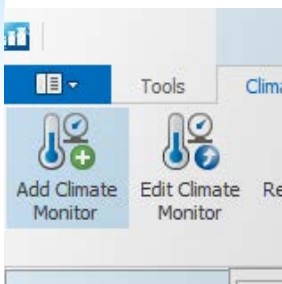
One-Click Certificate

The MC Link software automatically stores all your weight calibration data in a secure database. Calibration certificates can be issued with one click at the end of the weight calibration process.



Secure Data Transfer

The integrated USB and Ethernet interface makes it easy to connect to a PC or network. Data transfer to the mass calibration software MC Link is secure, fast and error-free.



Effortless Compliant

Sophisticated monitoring of metrological relevant parameters within MC Link helps you ensure your results meet regulatory requirements.



Small Platform Comparators

Offer High Precision and Versatility

METTLER TOLEDO's XPR small platform mass comparators offer the highest weighing accuracy for determination of mass up to 10 kg. The combination of the innovative LevelMatic weighing pan and a dedicated draft shield delivers unmatched accuracy and repeatability. The state of the art user interface enables intuitive and efficient operation whilst the StatusLight™ built into the front of the terminal provides at-a-glance confirmation that it's safe to weigh and your results are valid. Our proprietary MC Link mass calibration software is supplied as standard. Enter your process specifications and you can be sure of secure results, full traceability and regulatory compliance.

XPR small mass comparators are the perfect choice for high-precision mass measurement applications, mass determination laboratories and mass calibration service providers.



XPR-SC Mass Comparators

	XPR1004SC	XPR2003SC	XPR2004SC	XPR5003SC	XPR5004SC	XPR10003SC
Material No.	30875697	30317627	30317628	30317629	30317640	30317641

Limit Values

Maximum capacity	1.3 kg	2.3 kg	2.3 kg	5.1 kg	5.1 kg	10.1 kg
Readability	0.1 mg	1 mg	0.1 mg	1 mg	0.1 mg	1 mg
Repeatability absolute	0.3 mg	1 mg	0.6 mg	1.5 mg	1.3 mg	3.5 mg
Repeatability ABA ¹⁾	0.15 mg	0.8 mg	0.25 mg	0.8 mg	0.5 mg	1.5 mg
Linearity deviation	1 mg	2 mg	1 mg	3 mg	3 mg	7 mg

Typical Values

Repeatability absolute	0.20 mg	0.7 mg	0.3 mg	1 mg	0.8 mg	2 mg
Repeatability ABA ¹⁾	0.08 mg	0.5 mg	0.15 mg	0.7 mg	0.4 mg	0.8 mg
Linearity deviation	0.5 mg	0.7 mg	0.5 mg	1.0 mg	1.0 mg	3.2 mg
Eccentricity deviation (test load)	Eliminated through LevelMatic	2.6 mg (1 kg)	Eliminated through LevelMatic			
Sensitivity offset (test load)	3 mg (1 kg)	6.8 mg (2 kg)	6.8 mg (2 kg)	8 mg (5 kg)	8 mg (5 kg)	34 mg (10 kg)
Settling time	3.5 s	3.5 s	3.5 s	3.5 s	3.5 s	3.5 s

Admissible Ambient Conditions

Temperature (°C)	10–30	10–30	10–30	10–30	10–30	10–30
Max. temperature change (°C/12h)	0.5	0.5	0.5	0.5	0.5	0.5
Relative humidity (%)	40–70	40–70	40–70	40–70	40–70	40–70

Dimensions

Weighing pan size (mm)	Ø 130	127 × 127	Ø 130	Ø 130	Ø 130	Ø 130
Object dimension (Ø, mm)	0–130	0–125	0–130	0–130	0–130	0–130
Object dimension (H, mm)	0–228	0–248	0–248	0–248	0–248	0–335

¹⁾ Repeatability calculated from 5 ABA cycles

Included Accessory

LevelMatic weighing pan (excl. XPR2003SC)

Selected Accessories

MC Link Stand-alone mass calibration software (incl. 1 MT Instrument License)	30208278
MC Link License – 1 MT Instrument	30208285
MC Link Upgrade – Multi-place License	30208289
MC Link Option – Audit Trail License	30208283
MC Link Validation Handbook	30212634
Reference Weight E1 1 kg Certified	30548925
Reference Weight E1 2 kg Certified	30548926
Reference Weight E1 5 kg Certified	30548927
Reference Weight E1 10 kg Certified	30548928
Licence LabClimate	30415769
Draft Shield W12	11134430

Other Accessories on Request

