

XPR Micro Comparators

Unrivaled Accuracy up to 200 g



Unrivaled Accuracy

The hanging weighing pan makes it easy to place your weights and samples in the correct position. Eccentricity errors are eliminated, improving instrument performance.



One-Click Certificate

The included MC Link calibration software automatically stores all your weight calibration and other relevant metrological data in a secure database. Regulatory compliant calibration certificates can be issued with one click.



Secure Data Transfer

The integrated USB and Ethernet interfaces make it easy and reliable to transfer data to peripheral devices or a network. Data can be transferred to MC Link or third party software.



Innovative Technologies

Benefit from user guidance on the large touchscreen terminal, static detection and intelligent quality assurance features – all helping to simplify your processes and eliminate errors.



Micro-Analytical Comparators

High Precision and Versatility

METTLER TOLEDO's XPR micro-analytical comparators offer the highest weighing accuracy for determination of mass up to 200 g. The combination of the innovative hanging 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 micro-analytical comparators are the perfect choice for high-precision mass measurement applications, mass determination laboratories and weight calibration service providers.



	XPR36C	XPR56C	XPR226CDR
Material number	30594503	30355547	30594507

Limit values

Maximum capacity (full range / fine range)	32 g	52 g	220 g / 121 g
Readability (full range / fine range)	0.001 mg	0.001 mg	0.01 mg / 0.005 mg
Repeatability 5 x ABA, nominal load	0.0015 mg (20 g)	0.002 mg (50 g)	0.02 mg (200 g)
Repeatability 5 x ABA, low load	0.0007 mg (1 g)	0.0008 mg (2 g)	0.005 mg (10 g)
Repeatability, nominal load	0.0025 mg (30 g)	0.004 mg (50 g)	0.025 mg (200 g)
Linearity deviation	0.012 mg	0.02 mg	0.1 mg

Typical values

Repeatability 5 x ABA, nominal load	0.0012 mg (20 g)	0.0018 mg (50 g)	0.012 mg (200 g)
Repeatability 5 x ABA, low load	0.0006 mg (1 g)	0.0007 mg (2 g)	0.003 mg (10 g)
Repeatability, nominal load	0.0015 mg (30 g)	0.003 mg (50 g)	0.02 mg (200 g)
Repeatability, low load	0.0006 mg (1 g)	0.0006 mg (2 g)	0.004 mg (10 g)
Linearity deviation	0.005 mg	0.005 mg	0.03 mg
Eccentricity deviation	Eliminated through hanging weighing pan		0.06 mg (200 g)
Sensitivity offset	0.06 mg	0.08 mg	0.25 mg
Minimum weight (k = 2, U = 1%) ¹⁾	0.12 mg	0.12 mg	0.8 mg
Minimum weight (according to USP) ¹⁾	1.2 mg	1.2 mg	8 mg
Settling time	3.5 s	3.5 s	5 s

Admissible ambient conditions

Temperature (°C)	10...30	10...30	10...30
Max. temperature change (°C/12 h)	0,5	0,5	0,5
Relative humidity (%)	40...70	40...70	40...70

Dimensions and configurations

Weighing pan size (mm)	∅ 35	∅ 35	78 x 73
Object dimension (D, mm)	0...35	0...35	0...73
Object dimension (H, mm)	0...72	0...72	0...110
Weighing pan types	Hanging weighing pan, SmartGrid	Hanging weighing pan, SmartGrid	SmartGrid

¹⁾ Minimum weight typical at 5% load

Accessories Included

MC Link standalone mass calibration software (includes 1 MT Instrument License)

Other Selected Accessories

MC Link Upgrade – Multi-place License	30208289
MC Link Option – Barcode Package	30212767
MC Link Option – Audit Trail License	30208283
MC Link Validation Handbook	30212634
ClimaLog30	30078423
Reference Weight E1 20 g Certified	00159131
Reference Weight E1 50 g Certified	00159141
Reference Weight E1 200 g Certified	00159161

View the full range of accessories online at

► www.mt.com/accessories

	XPR36C						XPR56C						XPR206CDR					
	E1	E2	F1	F2	M1	M2	E1	E2	F1	F2	M1	M2	E1	E2	F1	F2	M1	M2
500 g																		
200 g																		
100 g																		
50 g																		
20 g																		
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1 mg																		

METTLER TOLEDO Group

Laboratory Weighing
Local contact: www.mt.com/contacts

www.mt.com/comparators

For more information

Subject to technical changes

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