

XK-KC Mass Comparators/Balances

Highest Accuracy up to 5,400 kg



Intuitive and Reliable

Thanks to the bright color touchscreen, operation is intuitive and easy, and you can read the large figures accurately from a distance.



Centering Aid

The centering aid helps you position your objects precisely on the weighing platform, ensuring high reproducibility. The high-grade steel housing reduces magnetic influences, ensures a long lifetime and is easy to clean.



One-Click Certificate

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



Ingenious Accessories

The specially designed, optionally available, LevelMatic™ weighing pans and draft shields for the XK-KC mass comparators help to reduce eccentricity errors and influences from drafts.



High Capacity Comparators/Balances Best Performance for High Loads

XK-KC high capacity mass comparators and balances conquer the challenges of demanding high-load applications that require the highest precision, such as mass calibration up to 5,400 kg, gas filling, flow-meter calibration, abrasion determination of heavy-wear parts and more.

The rugged design is ideally suited to the difficult environments in which heavy loads are typically handled. The high-quality stainless steel weighing platform helps ensure a long lifetime.

The large color touchscreen enables fast and error-less operation. The weighing information can be read from a distance, and it offers different connectivity and adaptation options.

Our proprietary MC Link mass calibration software is supplied as standard to ensure your results are saved securely and to assist you with all relevant mass calibration tasks, traceability and regulatory compliance.

XK-KC Mass Comparators/Balances

Ultimate Performance at Highest Loads

	XK155KSD5C	XK604KMC	XK1004KMD5C	XK2003KLC	XK6002KLC
Material Number	30590947	30594033	30594035	30594036	30594037
Limit Values					
Maximum capacity	150 kg	600 kg	1,100 kg	2,500 kg	5,400 kg
Readability	50 mg	0.1 g	0.5 g	1 g	10 g
Repeatability, abs. (nom. load)	0.12 g (150 kg)	0.3 g (500 kg)	1.7 g (1,000 kg)	9 g (2,000 kg)	90 g (5,000 kg)
Repeatability, abs. (low load)	0.1 g (5 kg)	0.2 g (20 kg)	1.5 g (50 kg)	5 g (100 kg)	10 g (200 kg)
Repeatability, 5 × ABA (nom. load)	0.1 g (150 kg)	0.23 g (500 kg)	1.4 g (1,000 kg)	7 g (2,000 kg)	70 g (5,000 kg)
Repeatability, 5 × ABA (low load)	0.08 g (5 kg)	0.18 g (20 kg)	1.0 g (50 kg)	3 g (100 kg)	6 g (200 kg)
Linearity	2 g	10 g	20 g	100 g	300 g
Typical Values					
Repeatability, abs. (nom. load)	0.06 g (150 kg)	0.2 g (500 kg)	0.9 g (1,000 kg)	7 g (2,000 kg)	40 g (5,000 kg)
Repeatability, abs. (low load)	0.04 g (5 kg)	0.1 g (20 kg)	0.3 g (50 kg)	2 g (100 kg)	3 g (500 kg)
Repeatability, 5 × ABA (nom. load)	0.05 g (150 kg)	0.18 g (500 kg)	0.8 g (1,000 kg)	5 g (2,000 kg)	30 g (5,000 kg)
Repeatability, 5 × ABA (low load)	0.03 g (5 kg)	0.09 g (20 kg)	0.2 g (50 kg)	1 g (100 kg)	2 g (200 kg)
Linearity	1.2 g	6 g	12 g	60 g	220 g
Eccentric load deviation (test load)	3 g (50 kg)	20 g (200 kg)	20 g (500 kg)	30 g (1,000 kg)	80 g (2,000 kg)
Sensitivity offset (test load)	0.2 g (100 kg)	1 g (500 kg)	2 g (1,000 kg)	6 g (2,000 kg)	15 g (5,000 kg)
MinWeigh USP41 (<5% load)	80 g	200 g	600 g	4 kg	6 kg
Settling time	8–12 s	8–12 s	8–12 s	8–12 s	8–12 s
Ambient Conditions					
Temperature	10–30 °C	10–30 °C	10–30 °C	10–30 °C	10–30 °C
Max. temperature change	1 °C/12 h	1 °C/12 h	1 °C/12 h	1 °C/12 h	1 °C/12 h
Relative humidity	40–70%	40–70%	40–70%	40–70%	40–70%
Dimensions					
Weighing pan size, W×D×H (mm)	800×600×130	1,000×800×125	1,000×800×125	1,500×1,250×185	1,500×1,250×185
Weight incl. terminal	57.5 kg	96.5 kg	96.5 kg	350.5 kg	350.5 kg

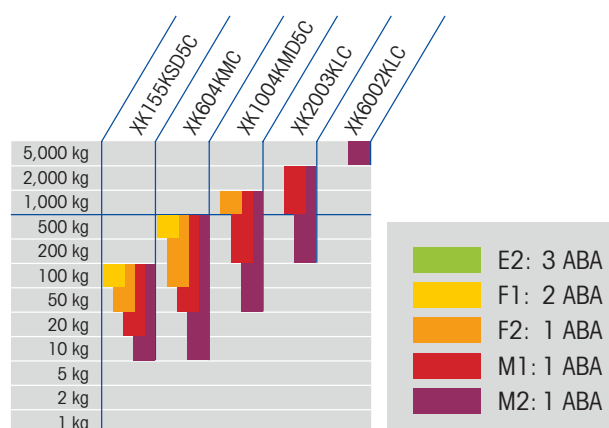
The indicated repeatability specifications and calibration ranges are achieved when weights are precisely centered on the platform or a LevelMatic is used. For professional installation, maintenance and qualification contact your local sales representative.

Included Accessories

MC Link stand-alone mass calibration software (incl. 1 MT Instrument License)

Optional Accessories

Selected Optional Accessories	Material Number
LevelMatic 1000 for XK155KSD5C, XK604KMC	22001940
LevelMatic 5000 for XK1004KMD5C, XK2003KLC, XK6002KLC	11116554
Draft Shield XP-WKS for XK155KSD5C	11116556
Draft Shield XP-WKM for XK604KMC, XK1004KMD5C	11116557
Draft Shield XP-WKL for XK2003KLC, XK6002KLC	11116558
ClimaLog30	30078423
MC Link License – 1 MT Instrument	30208285
MC Link Upgrade – Multi-place License	30208289
Reference Weight F1, 100 kg, Certified	30266563
Reference Weight F1, 200 kg, Certified	30266452
Reference Weight F1, 500 kg, Certified	30266450
Reference Weight F1, 1,000 kg, Certified	30266417
Reference Weight M1, 2,000 kg, Certified	11125510



For further information on accessories, please visit www.mt.com/lab-accessories

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For more information