

Taking Weighing to New Limits Follow the Green Light



Valid Results Guaranteed

XPR microbalances deliver outstanding weighing performance. The GWP Approved quality assurance function actively monitors the balance to confirm it is safe to weigh: tests, adjustments, levelling and settings must all be in order. The green StatusLight™ indicates 'go' so you can be sure your results will be valid.



Safe Operation

The new draft shield provides easy access to the weighing pan; all parts are easily removed for cleaning. Cross-contamination risk is reduced thanks to the SmartSens infrared sensors which enable you to operate the draft shield with the wave of a hand.



Efficient Processes

The capacitive touchscreen allows you to "swipe" through settings and methods. The method library saves time and provides higher process security. The built-in notepad automatically records all task parameters and results, eliminating manual transcription.



Space-saving Design

The XPR has the smallest footprint of any microbalance on the market and has the added convenience of being able to place the main terminal wherever it is most easily accessible – even outside your safety cabinet.



XPR Microbalances for Your Most Precious Samples

To make the most of your valuable resources, XPR microbalances and ultra-microbalances deliver a unique level of precision with exceptionally low minimum weights. Their increased stability enables the XPR6UD5 to offer 0.5 µg readability with repeatability improved by 25%.

The two-terminal concept simplifies operation: The main terminal can be placed wherever it is most convenient and the SmartView terminal sits above the weighing chamber – right where you need it for all the basic functions you want as you carry out your weighing tasks.

XPR microbalances take the worry out of weighing in the micro-range with active quality assurance features that ensure you get valid results – every time.

Designed, engineered and manufactured in Switzerland for outstanding quality you can trust.

XPR Microbalances and Ultra-Microbalances

Limit values	XPR2U	XPR6U	XPR6UD5	XPR10	XPR2
Maximum capacity	2.1 g	6.1 g	6.1 g	10.1 g	2.1 g
Readability	0.0001 mg	0.0001 mg	0.0005 mg	0.001 mg	0.001 mg
Tare range (from – to)	0 – 2.1 g	0 – 6.1 g	0 – 6.1 g	0 – 10.1 g	0 – 2.1 g
Repeatability (nominal) (sd)	0.00025 mg	0.0004 mg	0.0007 mg	0.0008 mg	0.001 mg
Repeatability (5% load) (sd)	0.0002 mg	0.00025 mg	0.0005 mg	0.0006 mg	0.0008 mg
Linearity deviation	0.0015 mg	0.004 mg	0.004 mg	0.004 mg	0.004 mg
Eccentricity (test load) ¹	0.0025 mg (1 g)	0.002 mg (2 g)	0.003 mg (2 g)	0.005 mg (5 g)	0.003 mg (1 g)
Sensitivity offset (test weight)	0.030 mg (2 g)	0.048 mg (6 g)	0.048 mg (6 g)	0.060 mg (10 g)	0.030 mg (2 g)
Sensitivity temperature drift ²	0.0001%/°C	0.0001%/°C	0.0001%/°C	0.0001%/°C	0.0001%/°C
Sensitivity stability ³	0.0001%/a	0.0001%/a	0.0001%/a	0.0001%/a	0.0001%/a
Typical values					
Repeatability (5% load) (sd)	0.00015 mg	0.00015 mg	0.0003 mg	0.0004 mg	0.0005 mg
Linearity deviation	0.001 mg	0.002 mg	0.003 mg	0.003 mg	0.003 mg
Eccentricity (test load) ¹	0.0015 mg (1 g)	0.0012 mg (2 g)	0.002 mg (2 g)	0.003 mg (5 g)	0.002 mg (1 g)
Sensitivity offset (test weight)	0.010 mg (2 g)	0.018 mg (6 g)	0.018 mg (6 g)	0.020 mg (10 g)	0.010 mg (2 g)
Minimum sample weight (5% load, k=2, U=1%)	0.03 mg	0.03 mg	0.06 mg	0.082 mg	0.1 mg
USP minimum sample weight (5% load, k=2, U=0.10%)	0.3 mg	0.3 mg	0.6 mg	0.82 mg	1 mg
Settling time	< 10 s	< 15 s	< 8 s	< 8 s	< 8 s

¹⁾ according to OIML R76; ²⁾ in the temperature range 10 to 30°C; ³⁾ stability of sensitivity with proFACT self-adjustment switched on; s: seconds; a: annum (year); sd: standard deviation



AntiStatic Kit



Filter Kit

Description of selected key accessories	Part No.
AntiStatic Kit Microbalance: Includes one stand and one Compact Electrode	30215452
Compact Electrode: Optional second electrode for AntiStatic Kit Microbalance	30300921
Filter Kit: Suitable for 47 and 70 mm filters, includes tweezers	30300922
Filter Pan: Suitable for 50 mm filters	211214
ErgoSens: Infrared sensor for touch-less remote operation (USB connection)	30300915
Footswitch: Switch for remote operation (USB connection)	30312558
Special Weighing Pan: Suitable for small, tubular samples; includes holder, pan and wind-ring	30113498
Spatula Set Micro: Set of 2 stainless steel spatulas	30064490
USB-RS232 Converter: Connects peripheral devices to the balance via RS232	64088427
Terminal cable: Length 4.5 m	30300920

www.mt.com/lab-accessories

Features

Accurate Results	Active Temperature Control system (ATC™)
	Magnetic Force Restoration weighing sensor with high resolution
	MinWeigh warning function
Efficient Operation	Storage of methods
	Built-in results notepad
	Capacitive colored touchscreen with gesture control, glove compatible
Quality Assurance	GWP Approved built-in quality assurance monitoring
	Tolerance Profiles
	Password protection
	User management
	Change history function
	Adjustment and routine test history
	Balance ready StatusLight™
Seamless Process	LevelControl: Level warning with graphical levelling guide
	Temperature and time programmable proFACT
	Efficient operation via SmartView terminal
Sustainable Value	Storage of SOPs in method library (including sample series and tolerances)
	Multiple ports for easy connectivity and data export: 4 x USB, 1 x LAN
Sustainable Value	Compact design with small footprint
	Optimized draft shield for easy cleaning
	Overload protection

www.mt.com/xpr-microbalances

For more information



Mettler-Toledo GmbH

Laboratory Weighing
8606 Greifensee, Switzerland
Tel. +41 44 944 22 11
Fax. +41 44 944 30 60

Subject to technical changes
© 07/2016 Mettler-Toledo GmbH
30317408B
Global MarCom 1874 MD