Supreme Performance for Micro Samples
Taking Micro Weighing to the Limit

Best-in-Class Weighing Cell
Seven decimal place readability and outstanding repeatability provide the highest level of performance to accurately weigh your most valuable samples.

Audit-Proof Results – Every Time
Innovative quality assurance functions actively monitor the status of your balance and are your reassurance of accurate, repeatable, and valid results. Fulfill regulation and data integrity requirements efficiently with LabX™ laboratory software.

Small Footprint, Two Terminals
XPR microbalances have the smallest footprint on the market, plus the main terminal can be placed away from the balance, wherever is most convenient.

Sustainable Micro Weighing
Smart design features enable the convenient, safe, and ergonomic weighing of even the smallest samples. Superior accuracy means you use less of your valuable resources, reduce waste, and save costs.

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 accuracy with exceptionally low minimum weights. Their compact design has a positive impact on sustainability by reducing the use of raw materials and saving on logistics.

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, with all the basic functions clearly visible as you perform 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.

METTLER TOLEDO

XPR Microbalances and Ultra-Microbalances

Limit Values	XPR2U	XPR6U	XPR6UD5	XPR10U	XPR10	XPR3
Maximum capacity	2.1 g	6.1 g	6.1 g	10.1 g	10.1 g	3.1 g
Readability	0.0001 mg	0.0001 mg	0.0005 mg	0.0001 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 – 10.1 g	0 – 3.1 g
Repeatability (nominal) (sd)	0.00025 mg	0.0004 mg	0.0007 mg	0.0006 mg	0.0008 mg	0.001 mg
Repeatability (5% load) (sd)	0.0002 mg	0.00025 mg	0.0005 mg	0.0004 mg	0.0006 mg	0.0008 mg
Linearity deviation	0.0015 mg	0.004 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)	0.003 mg (5 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)	0.05 mg (10 g)	0.060 mg (10 g)	0.045 mg (2 g)
Sensitivity temperature drift [2]	0.0001%/°C	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	0.0001%/a
Typical Values						
Repeatability (5% load) (sd)	0.00015 mg	0.00015 mg	0.0003 mg	0.0003 mg	0.0004 mg	0.0005 mg
Linearity deviation	0.0005 mg	0.0012 mg	0.0012 mg	0.001 mg	0.0012 mg	0.0012 mg
Eccentricity (test load)[1]	0.0008 mg (1 g)	0.0006 mg (2 g)	0.001 mg (2 g)	0.001 mg (5 g)	0.0015 mg (5 g)	0.001 mg (1 g)
Sensitivity offset (test weight)	0.015 mg (2 g)	0.018 mg (6 g)	0.018 mg (6 g)	0.030 mg (10 g)	0.040 mg (10 g)	0.025 mg (2 g)
Minimum sample weight (5% load, k=2, U=1%)	0.03 mg	0.03 mg	0.06 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	0.6 mg	0.82 mg	1 mg
Settling time	< 10 s	< 10 s	< 8 s	< 15 s	< 8 s	< 8 s

[1] according to OIML R76 ; [2] in the temperature range 10 to 30°C; [3] stability of sensitivity with FACT 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 (USB)	30499859
Compact Electrode: Optional second electrode for AntiStatic Kit Microbalance (USB)	30496446
Filter Kit: Suitable for 47 and 70 mm filters, includes tweezers	30300922
Filter Pan: Suitable for 50 mm filters	211214
ErgoSens: Optical sensor for remote operation (USB connection)	30300915
Footswitch: Switch for remote operation (USB connection)	30312558
Tubular sample holder. Including holder, pan and handler	30113498
Spatula Set Micro: Set of 2 stainless steel spatulas	30064490
USB-RS232 Cable: to connect the instrument via RS232C to a USB port	64088427
USB-RS232 Cable with null modem: Connects peripheral devices to the balance via RS232	30364315

▶ **www.mt.com/lab-accessories**

Features

Accurate Results	Active Temperature Control system (ATC™)
	High resolution electromagnetic force compensation (EMFC) weighing sensor
	Compact ionizer ready (with stand)
Efficient Operation	Storage of methods and sample series
	Capacitive colored touchscreen with gesture control, glove compatible
Quality Assurance	GWP® Approved built-in quality assurance monitoring
	ToleranceProfile function, programmable for up to 10 standards
	User management and password protection
	Change history files
	StatusLight
	LevelControl, graphical leveling and level warning
	Temperature and time programmable automated internal adjustment (FACT)
	MinWeigh warning function
Seamless Process	Efficient operation via SmartView terminal
	Storage of SOPs in method libary (including sample series and tolerances)
	Easy data export via connectivity ports: 4×USB, 1×LAN
	Web service
Sustainable Value	Compact design with small footprint
	Optimized draft shield for easy cleaning
	Overload protection
Automation Options	LabX™ ready

www.mt.com/micro

For more information