

XPR Micro-Analytical Balances

Direct Dosing of Very Small Samples



Static-Free Samples

StaticDetect™ measures the weighing error due to electrostatic charging and provides a warning if tolerances are exceeded. In combination with the optional external ionizer, you have a unique solution that guarantees static-free weighing.



Right-First-Time Results

The integrated StatusLight™, LevelControl and GWP Approved work actively together to ensure all the relevant conditions for correct weighing are satisfied, giving you the reassurance that your results are valid.



Economical Sample Use

XPR micro-analytical balances are capable of weighing down to USP minimum weights of 1.2 mg at 52 g capacity. You only need to use the tiniest amounts of expensive, rare and potent substances.



Effortless Data Integrity

Connect all your Excellence laboratory instruments to LabX software for full support with regulatory compliance. LabX helps you meet FDA ALCOA+ requirements for data integrity.



XPR Micro-Analytical Balances Go Beyond Weighing

With capacity up to 52 g, samples as small as of 1.2 mg (according to USP) can be conveniently weighed out into larger containers or labware of different sizes, simplifying weighing processes and avoiding the need for sample transfer. The extremely high accuracy and low minimum weight lead to considerable material and cost savings.

Optional accessories make it easy to customize your XPR micro-analytical balance to perfectly fit your process needs.

METTLER TOLEDO

XPR Micro-Analytical Balances – Technical Specifications

	XPR36C	XPR36	XPR36DR	XPR56C	XPR56	XPR56DR
Material number	30594503	30594493	30594498	30355547	30355535	30355539
Limit values						
Maximum capacity (full range/fine range)	32 g	32 g	32 g/8.1 g	52 g	52 g	52 g/11 g
Readability (full range/fine range)	0.001 mg	0.001 mg	0.01 mg/ 0.001 mg	0.001 mg	0.001 mg	0.01 mg/ 0.001 mg
Repeatability, 5% load	0.001 mg	0.0015 mg	0.002 mg	0.001 mg	0.0012 mg	0.002 mg
Linearity deviation	0.012 mg	0.012 mg	0.02 mg	0.02 mg	0.02 mg	0.03 mg
Typical values						
Repeatability, 5% load	0.0006 mg	0.0007 mg	0.001 mg	0.0006 mg	0.0007 mg	0.001 mg
Linearity deviation	0.005 mg	0.005 mg	0.008 mg	0.005 mg	0.005 mg	0.008 mg
Sensitivity offset, nominal load	0.06 mg	0.06 mg	0.08 mg	0.08 mg	0.08 mg	0.08 mg
Minimum weight ($k=2$, $U=1\%$) ¹⁾	0.12 mg	0.14 mg	0.2 mg	0.12 mg	0.14 mg	0.2 mg
Minimum weight (according to USP) ¹⁾	1.2 mg	1.4 mg	2 mg	1.2 mg	1.4 mg	2 mg
Settling time	3.5 s	3.5 s	2.5 s	3.5 s	3.5 s	2.5 s
Dimensions						
Weighing pan size (mm)	Ø 35; 40×40	40×40	40×40	Ø 35; 40×40	40×40	40×40
Draft shield, W×D×H (mm)	83×83×115	83×83×115	83×83×115	83×83×115	83×83×115	83×83×115
Weighing pan type	SmartGrid, Hanging weighing pan	SmartGrid	SmartGrid	SmartGrid, Hanging weighing pan	SmartGrid	SmartGrid

¹⁾ Minimum weight typical at 5% load

Features

Accurate Results	Efficient Operation	Quality Assurance	Seamless Process
- Active Temperature Control system (ATC™) - proFACT Advanced internal adjustment - Compact ionizer ready - StaticDetect™	7" color touchscreen with gesture control (glove compatible) - ErgoClip for direct dosing - SmartSens for touch-less door operation - SmartTrac dosing guide - SmartGrid weighing pan - Built-in results notepad - Storage of methods - Automatic draft shield doors	- GWP Approved built-in quality monitoring - MinWeigh warning function - Balance ready StatusLight - LevelControl: Level warning with graphical levelling guide - Tolerance profiles - User management - Adjustment and routine test history - Change history function	- LabX ready - Calibry ready - Multiple ports for easy connectivity and data export: 4×USB, 1×LAN

Other Selected Accessories

Compact external ionizer with stand	30499859
P-58RUE printer (thermal printer for label and protocol printing)	30094674
P-56RUE printer (thermal printer for protocol printing)	30094673
P-52RUE printer (dot matrix printer for protocol printing)	30237290
Bluetooth adapter for printer (P-58, P-56, P-52)	30086494
Bluetooth USB adapter for balance	30416089
Barcode reader USB	30417466
USB-RS232 converter	64088427

CarePacs on ► www.mt.com/carepacs

View the full range of accessories online at ► www.mt.com/lab-accessories

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

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