

XPR Analytical Balances

Valid Results Every Time



Eliminate Static

StaticDetect measures the weighing error due to electrostatic charging and provides a warning if tolerances are exceeded. In combination with the optional 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.



Easy Automation Upgrade

Optional modules make it easy for you to quickly upgrade your balance to provide automated powder and/or liquid dosing. Automated dosing enables you to achieve a level of accuracy that is impossible to match in a manual process.



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.



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Go Beyond Weighing

With a range of intelligent quality assurance functions, you can depend on XPR to deliver right-first-time results. The patented StaticDetect™ technology, used in combination with the optional ionizing module, offers a complete electrostatic detection and elimination system to ensure accurate weighing results and highest process security.

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

Even in highly regulated environments, XPR balances integrate seamlessly into your processes.

METTLER TOLEDO

XPR Analytical Balances – Technical Specifications

	XPR206DR	XPR105	XPR105DR	XPR205	XPR205DR	XPR205DU	XPR205D5	XPR305D5	XPR204
Material number	30355385	30355389	30355342	30355411	30355415	30469076	30469150	30469154	30355419
Limit values									
Maximum capacity (full range/fine range)	220 g/ 81 g	120 g	120 g/ 41 g	220 g	220 g/ 81 g	220 g/ 81 g	220 g	320 g	220 g
Readability (full range/fine range)	0.01 mg/ 0.005 mg	0.01 mg	0.1 mg/ 0.01 mg	0.01 mg	0.1 mg/ 0.01 mg	0.1 mg/ 0.01 mg	0.05 mg	0.05 mg	0.1 mg
Repeatability, 5% load	0.01 mg	0.015 mg	0.015 mg	0.015 mg	0.015 mg	0.015 mg	0.04 mg	0.06 mg	0.05 mg
Linearity deviation	0.1 mg	0.1 mg	0.15 mg	0.1 mg	0.15 mg	0.2 mg	0.2 mg	0.3 mg	0.2 mg
Typical values									
Repeatability, 5% load	0.005 mg	0.007 mg	0.007 mg	0.007 mg	0.007 mg	0.01 mg	0.02 mg	0.02 mg	0.04 mg
Linearity deviation	0.032 mg	0.03 mg	0.05 mg	0.03 mg	0.05 mg	0.06 mg	0.06 mg	0.1 mg	0.06 mg
Sensitivity offset, nominal load	0.08 mg	0.06 mg	0.12 mg	0.08 mg	0.12 mg	0.2 mg	0.12 mg	0.24 mg	0.12 mg
Minimum weight (k=2, U=1%) ¹⁾	1 mg	1.4 mg	1.4 mg	1.4 mg	1.4 mg	2 mg	4.1 mg	4.1 mg	8.2 mg
Minimum weight (according to USP) ¹⁾	10 mg	14 mg	14 mg	14 mg	14 mg	20 mg	41 mg	41 mg	82 mg
Settling time	2 s	2 s	1.5 s	2 s	1.5 s	1.5 s	1.5 s	1.5 s	1.5 s
Dimensions									
Weighing pan size (mm)	78×73	78×73	78×73	78×73	78×73	78×73	78×73	78×73	78×73
Draft shield, W×D×H (mm)	160×137 ×235	160×137 ×235	160×137 ×235	160×137 ×235	160×137 ×235	160×137 ×235	160×137 ×235	160×137 ×235	160×137 ×235

¹⁾ Minimum weight typical at 5% load

Features

Accurate Results	Efficient Operation	Quality Assurance	Seamless Process
- Active Temperature Control system (ATC™) - StaticDetect™ - proFACT Advanced internal adjustment - Ionizer module ready	7" color touchscreen (glove compatible) - ErgoClip for direct dosing - SmartSens for touch-less door operation - SmartTrac dosing guide - SmartGrid weighing pan - Results protocol - Storage of methods - Automatic draft shield doors	- GWP Approved - 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 - Upgradable to automatic powder and/or liquid dosing

Accessories Included:

1×ErgoClip Basket small (11106747)

2×SmartPrep weighing funnel (30061260, 50pcs)

1×Table set: 1×Spatula set analytical (30064493), 1×Brush (158799), 1×Tweezer 130 mm (11116540)

Other Selected Accessories

Ionizer module	30460823	Bluetooth adapter for printer (P-58, P-56, P-52)	30086494
SmartScan RFID module	30459915	Bluetooth USB adapter for balance	30416089
P-58RUE printer (thermal printer for label and protocol printing)	30094674	Barcode reader USB	30417466
P-56RUE printer (thermal printer for protocol printing)	30094673	USB-RS232 converter	64088427
P-52RUE printer (dot matrix printer for protocol printing)	30237290	CarePacs, more information at 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

Subject to technical changes
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