

XSR Analytical Balances Simplified Weighing Processes



Efficient Weighing

The motorized draft shield doors can be configured to open and close according to your requirements to simplify and speed up repetitive weighing operations.



Intuitive User Interface

The color touchscreen user interface provides clear icons and easy access menus. Save your own customized weighing methods to make it quick to start daily tasks. Easy to use, even whilst wearing thick, protective gloves.



Easy Cleaning

The draft shield and weighing pan dismantle easily in seconds, and the tray underneath simply slides out. No tools are needed and all parts are dishwasher-safe for fast and efficient cleaning.



Ergonomic Design

The weighing chamber is designed to provide easy access from both the left and right hand sides. The low-positioned weighing pan allows you to rest your hand on the bench for more comfortable dosing.



XSR Analytical Balances Fast and Accurate Results

XSR analytical balances deliver the high weighing accuracy you want whilst providing the convenient operation you need. Clever features, such as SmartGrid, automated doors and the results protocol, simplify your routine weighing tasks and take the stresses and strains out of weighing.

Built-in applications support you with everyday weighing tasks. Your own weighing methods can be saved on the balance and conveniently started from the method window. StatusLight™ checks that all the conditions for correct weighing have been met to ensure your results are reliable.

XSR Analytical Balances – Technical Specifications

	XSR105	XSR105DU	XSR205DU	XSR225DU	XSR64	XSR104	XSR204	XSR204DR	XSR304
Material number	30355059	30355435	30355396	30355364	30355481	30355485	30355500	30355491	30355496
Limit values									
Maximum capacity (full range/fine range)	120 g	120 g/ 41 g	220 g/ 81 g	220 g/ 121 g	61 g	120 g	220 g	220 g/ 81 g	320 g
Readability (full range/fine range)	0.01 mg	0.1 mg/ 0.01 mg	0.1 mg/ 0.01 mg	0.1 mg/ 0.01 mg	0.1 mg	0.1 mg	0.1 mg	1 mg/ 0.1 mg	0.1 mg
Repeatability, 5% load	0.02 mg	0.02 mg	0.02 mg	0.02 mg	0.07 mg	0.07 mg	0.07 mg	0.1 mg	0.08 mg
Linearity deviation	0.2 mg	0.2 mg	0.2 mg	0.2 mg	0.2 mg	0.2 mg	0.2 mg	0.5 mg	0.3 mg
Typical values									
Repeatability, 5% load	0.008 mg	0.01 mg	0.01 mg	0.01 mg	0.04 mg	0.04 mg	0.04 mg	0.04 mg	0.04 mg
Linearity deviation	0.06 mg	0.06 mg	0.06 mg	0.06 mg	0.06 mg	0.06 mg	0.06 mg	0.15 mg	0.1 mg
Sensitivity offset, nominal load	0.08 mg	0.2 mg	0.16 mg	0.16 mg	0.12 mg	0.2 mg	0.24 mg	0.24 mg	0.24 mg
Minimum weight (k = 2, U = 1%) ¹⁾	1.6 mg	2 mg	2 mg	2 mg	8.2 mg	8.2 mg	8.2 mg	8.2 mg	8.2 mg
Minimum weight (according to USP) ¹⁾	16 mg	20 mg	20 mg	20 mg	82 mg	82 mg	82 mg	82 mg	82 mg
Settling time	3 s	1.5 s	1.5 s	1.5 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
<ul style="list-style-type: none"> proFACT Advanced internal adjustment Compact ionizer (with stand) ready 	<ul style="list-style-type: none"> Color touchscreen (glove compatible) ErgoClip for direct dosing ErgoSens ready SmartTrac dosing guide SmartGrid weighing pan Results protocol Storage of methods Automatic draft shield side doors 	<ul style="list-style-type: none"> GWP Approved MinWeigh warning function Balance ready StatusLight LevelControl: Level warning with graphical levelling guide Tolerance profiles Password protection Adjustment and routine test history 	<ul style="list-style-type: none"> LabX ready Calibry ready Multiple ports for easy connectivity and data export: 4×USB, 1×LAN

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

Compact ionizer with stand	30215452	Bluetooth adapter for printer (P-58, P-56, P-52)	30086494
ErgoSens USB, optical sensor for remote operation	30300915	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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