High-throughput Weighing
Made Easy

Proper Positioning

The SmartGrid weighing pan and ErgoClip container holders allow the secure positioning of different shaped tare vessels. The SmartGrid weighing pan minimizes the effects of air turbulence so that stabilization time is reduced.

Easy Access

The user can open each door from both sides. This allows easy access to the balance, and the user's preferred hand stays free for dosing.

Fast Weighing

Dosing through the small aperture of the MinWeigh Door straight into the flask shortens stabilization and weighing times. Very low minimum weights can be determined even under harsh conditions.
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Intuitive Operation

The user-friendly touchscreen makes using the balance intuitive and easy. Time and effort required for typing and programming tasks are reduced to a minimum.

XS Analytical Balances
Excellence in Efficiency

The Excellence XS Analytical Balance Line with its innovative accessories sets new standards for fast and efficient weighing processes.

The unique SmartGrid weighing pan shortens stabilization time and the high performance weighing cell ensures accurate and repeatable results. ErgoClips allow direct dosing and avoid sample transfer errors, resulting in significant cost savings, particularly for valuable materials. The touchscreen display with configurable operation fields and other application-specific solutions enable ergonomic weighing processes. Efficiency is increased, saving additional working time.

- Easy and accurate dosing
- Intuitive operation
- Fast and efficient weighing processes

METTLER TOLEDO XS Analytical Balances – focused on high productivity.

METTLER TOLEDO

XS Analytical Balances
Excellence in Efficiency

Technical data

Models	XS105DU	XS205DU	XS64	XS104	XS204	XS204DR
Part No.	11106009	11106000	11106015	11106012	11106003	11106006
Limit values						
Maximum capacity	120 g	220 g	61 g	120 g	220 g	220 g
Maximum capacity, fine range	41 g	81 g	—	—	—	81 g
Readability	0.1 mg	0.1 mg	0.1 mg	0.1 mg	0.1 mg	1 mg
Readability, fine range	0.01 mg	0.01 mg	—	—	—	0.1 mg
Repeatability (at nominal load)[1]	0.1 mg (100 g)	0.1 mg (200 g)	0.1 mg (60 g)	0.1 mg (100 g)	0.1 mg (200 g)	0.7 mg (200 g)
Repeatability (at low load)[1]	0.05 mg (10 g)	0.05 mg (10 g)	0.07 mg (10 g)	0.07 mg (10 g)	0.07 mg (10 g)	0.5 mg (10 g)
Repeatability (at low load), fine range[1]	0.02 mg (10 g)	0.02 mg (10 g)	—	—	—	0.1 mg (10 g)
Linearity deviation	0.2 mg	0.2 mg	0.2 mg	0.2 mg	0.2 mg	1 mg
Sensitivity offset (test load)[2]	0.8 mg (100 g)	0.8 mg (200 g)	0.9 mg (60 g)	1 mg (100 g)	1 mg (200 g)	1 mg (200 g)
Typical values						
Repeatability[1]	0.04 mg	0.04 mg	0.04 mg	0.04 mg	0.04 mg	0.4 mg
Repeatability, fine range[1]	0.01 mg	0.01 mg	—	—	—	0.04 mg
Minimum weight (according to USP)	120 mg	120 mg	120 mg	120 mg	120 mg	1200 mg
Min. weight (acc. to USP), fine range	30 mg	30 mg	—	—	—	120 mg
Minimum weight (U=1%, 2 sd)	8 mg	8 mg	8 mg	8 mg	8 mg	80 mg
Min. weight (U=1%, 2 sd), fine range	2 mg	2 mg	—	—	—	8 mg
Settling time	1.5 s	1.5 s	1.5 s	1.5 s	1.5 s	1.5 s
Linearity deviation	0.13 mg	0.13 mg	0.1 mg	0.13 mg	0.13 mg	0.3 mg
Sensitivity offset (test load)[2]	0.4 mg (100 g)	0.6 mg (200 g)	0.6 mg (60 g)	0.6 mg (100 g)	0.8 mg (200 g)	0.8 mg (200 g)

[1] standard deviation (sd); [2] Stability of sensitivity with FACT self-adjustment switched on. Repeatability and minimum weight can be improved by the following measures: selection of appropriate weighing parameters, choice of a better location and use of smaller tare containers.

Accessories

Printer RS-P42 with RS232C connection	00229265
Printer BT-P42 with wireless Bluetooth connection	11132540
Foot-operated switch for balance functions	11106741
ErgoSens: hands-free sensor for balance functions	11132601
Terminal extension cable, 4.5 m	11600517
Density Kit	11106706
Universal AntiStatic Kit, complete	11107767
MinWeigh Door	11106749
ErgoClip Flask (measuring flask holder)	11106764
ErgoClip Tube (tube holder)	11106784
ErgoClip Titration Basket	11106883
ErgoClip Weighing Boat	11106748
ErgoClip Round Bottom Flask	11106746
ErgoClip Basket small	11106747
ErgoClip Filter Holder (Ø110 - 150 mm)	11140185
Evaporation Trap (20 ml)	11140043
Evaporation Trap (100 ml)	11138440

Standard Equipment:
- GWPExcellence™ routine testing procedures
- Protect settings with password
- Different weighing units available, plus define your own custom units
- Built-in applications: percent weighing, dynamic weighing, statistics, piece counting, formulation, density determination and factor calculation
- The MinWeigh function warns if the minimum weight requirement is violated
- Operation of the balance can be easily configured to accommodate harsh weighing conditions
- Overload protection
- Removable terminal
- Operates in different languages: EN, DE, FR, IT, ES, RU, JP, CN, CS, PL, HU
- Easy connection to PC software

Variable Connectivity
The second interface offers seven options for easy integration into individual workflows.

www.mt.com/XS-Analytical
For more information

GWP®
Good Weighing Practice™

The global weighing guideline GWP® reduces risks associated with your weighing processes and helps you to
- choose the appropriate balance
- reduce costs by optimizing testing procedures
- comply with the most common regulatory requirements

▶ www.mt.com/GWP