Worry-free Weighing
Fast, Reliable and Ergonomic

Outstanding Performance
Included as standard on all 0.01 g balances, the SmartPan™ weighing pan minimizes the effects of air currents on the weighing cell to deliver results up to two times faster. Repeatability values are improved up to two-fold.
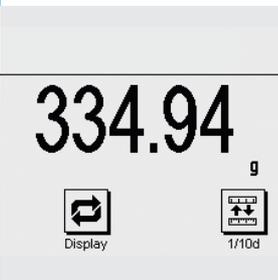
Good Posture
The adjustable terminal stand not only saves space, it is a proven solution to maintain good posture when working for long periods at the balance and minimizes the risk of repetitive strain injuries.

Automatic Data Handling
Connect your XS balance to our LabX laboratory software for fast and error-free data management. LabX saves all data automatically, performs all calculations and generates sample labels and reports as required. Manual transcription can be completely eliminated.

Easy-to-read Numbers
The large figures on the display are bright and clear to read. Eyes don't get tired and concentration remains focused on the weighing task.

XS-S Precision Balances
Trusted Performance in All Conditions

The XS small platform precision balances help you get your work done faster by offering flexible solutions for high productivity with the highest accuracy. These robust and reliable balances, deliver fast and accurate results even in the toughest of workplaces.

The innovative SmartPan™ helps you to get your work done more quickly by delivering accurate and stable results two times faster, even in difficult weighing environments such as fume cupboards and safety cabinets.

The compact draft shield on the higher readability models allows easy access from the sides and top for handling large items and to make dosing convenient.

The combination of many practical features means you benefit from ergonomic processes and your lab benefits from increased productivity.

METTLER TOLEDO

Balance model	XS303S	XS603S	XS1203S
Limit values			
Maximum capacity	310 g	610 g	1210 g
Readability	1 mg	1 mg	1 mg
Repeatability	0.9 mg	0.9 mg	0.8 mg
Linearity deviation	2 mg	2 mg	2 mg
Typical values			
Repeatability	0.5 mg	0.5 mg	0.4 mg
Linearity deviation	0.6 mg	0.7 mg	0.6 mg
Sensitivity offset (test weight)	1.2 mg (300g)	1.2 mg (600g)	1.5 mg (1200 g)
MinWeight (USP, 5% range)	1 g	1 g	820 mg
MinWeight (k=2, U=1%, 5% load)	100 mg	100 mg	82 mg
Settling time	1.5 s	1.5 s	1.5 s
Dimensions			
Weighing pan size (mm)	127 x 127	127 x 127	127 x 127
SmartPan included	No	No	No

Balance model	XS1202S	XS2002S	XS4002S
Limit values			
Maximum capacity	1210 g	2.1 kg	4.1 kg
Readability	10 mg	10 mg	10 mg
Repeatability	8 mg	8 mg	8 mg
Linearity deviation	20 mg	20 mg	20 mg
Typical values			
Repeatability	4 mg	4 mg	4 mg
Linearity deviation	6 mg	6 mg	6 mg
Sensitivity offset (test weight)	15 mg (1200 g)	25 mg (2 kg)	25 mg (4 kg)
MinWeight (USP, 5% range)	8.2 g	8.2 g	8.2 g
MinWeight (k=2, U=1%, 5% load)	820 mg	820 mg	820 mg
Settling time	1.2 s	1.2 s	1.2 s
Dimensions			
Weighing pan size (mm)	172 x 205	172 x 205	172 x 205
SmartPan included	Yes	Yes	Yes

Balance model	XS6002SDR	XS6002S	XS10002S
Limit values			
Maximum capacity	6.1 kg	6.1 kg	10.1 kg
Maximum capacity, fine range	1.2 kg	-	-
Readability	100 mg	10 mg	10 mg
Readability, fine range	10 mg	-	-
Repeatability	60 mg	8 mg	8 mg
Repeatability, fine range	8 mg	-	-
Linearity deviation	60 mg	20 mg	20 mg
Typical values			
Repeatability	40 mg	4 mg	4 mg
Repeatability, fine range	4 mg	-	-
Linearity deviation	6 mg	6 mg	6 mg
Sensitivity offset (test weight)	30 mg (6 kg)	12 mg (6 kg)	12 mg (10 kg)
MinWeight (USP, 5% range)	8.2 g	8.2 g	8.2 g
MinWeight (k=2, U=1%, 5% load)	820 mg	820 mg	820 mg
Settling time	1.2 s	1.2 s	1.5 s
Dimensions			
Weighing pan size (mm)	172 x 205	172 x 205 mm	172 x 205 mm
SmartPan included	Yes	Yes	Yes

Balance model	XS4001S	XS6001S	XS8001S	XS10001S
Limit values				
Maximum capacity	4.1 kg	6.1 kg	8.1 kg	10.1 kg
Readability	100 mg	100 mg	100 mg	100 mg
Repeatability	80 mg	80 mg	80 mg	80 mg
Linearity deviation	60 mg	60 mg	100 mg	100 mg
Typical values				
Repeatability	40 mg	40 mg	40 mg	40 mg
Linearity deviation	20 mg	20 mg	30 mg	30 mg
Sensitivity offset (test weight)	50 mg (4 kg)	50 mg (6 kg)	120 mg (8 kg)	120 mg (10 kg)
MinWeight (USP, 5% range)	82 g	82 g	82 g	82 g
MinWeight (k=2, U=1%, 5% load)	8.2 g	8.2 g	8.2 g	8.2 g
Settling time	0.8 s	0.8 s	1 s	1 s
Dimensions				
Weighing pan size (mm)	190 x 223	190 x 223	190 x 223	190 x 223
SmartPan included	No	No	No	No

Embedded Applications

Standard weighing, statistics, formulation, piece counting, percent weighing, density, dynamic weighing

Features

Accurate Results
High resolution technology
FACT internal adjustment with advanced test
features

Efficient Operation
SmartPan
Big numbers on display
Easy cleaning

Quality Assurance
TestManager embedded software
MinWeigh function
FACT and GWP history
Password protection

Seamless Process
LabX ready
Built in RS232, 7 options for the second slot e.g. Ethernet, Bluetooth

LabX Laboratory Software
Power the Bench

LabX brings power to your laboratory bench by providing full user guidance on the instrument touchscreen, handling all data automatically, and ensuring process security on multiple instruments – all with one software and no manual transcriptions.

Selected Accessories

ErgoStand
Place your display on a stand and adjust the tilt to suit your height; it's easier to read and good posture is maintained.

Printers
The robust P-50 series lab printers produce archival-quality printouts on paper as well as continuous and peel-off labels.

Protective Covers
Easy to change PET terminal and weighing pan covers provide effective protection against chemicals and difficult to clean samples.

Connectivity
In addition to the built in RS232, a second interface provides options for Ethernet, Bluetooth, PS2 or RS232 connections.

ErgoSens
Simplify processes by performing selected balance operations at the wave of a hand e.g. weigh, tare, print.

CarePacs®
CarePac certified weight sets fully support routine testing to limit the risk of working outside process tolerances.

www.mt.com/xs-precision

For more information

GWP®
Good Weighing Practice™

The internationally recognized GWP® guideline reduces weighing risks and helps to:
• identify the correct balance for the weighing task
• reduce costs by optimizing testing procedures
• ensure compliance with regulations

▶ **www.mt.com/GWP**