

## Worry-free Weighing

### Fast, Reliable and Ergonomic



#### Outstanding Performance

Delivering results up to twice as fast and improving repeatability up to two-fold, SmartPan™ also enables you to use your 1 mg balance without a draft shield in standard weighing conditions and your 10 mg balance will perform perfectly even in a fume cupboard.



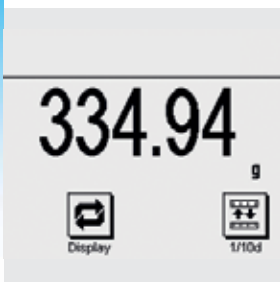
#### Good Posture

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 robust and reliable XS small platform precision balances deliver fast and accurate results even in the toughest of workplaces. The innovative SmartPan™ weighing pan, which is supplied as standard on all 1 mg and 10 mg XS precision balances, minimizes the effects of air currents on the weighing cell to deliver accurate and stable results up to twice as fast as a standard pan.

Whilst all 1 mg models include SmartPan, selected models are available with the draft shield as an option. With the draft shield in place however, you get additional protection against drafts, and, thanks to easy access from the sides and top, weighing and dosing remain convenient and comfortable.

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



Balance model	XS303S	XS303SN
<b>Limit values</b>		
Maximum capacity	310 g	310 g
Readability	1 mg	1 mg
Repeatability	0.9 mg	0.9 mg
Linearity deviation	2 mg	2 mg
<b>Typical values</b>		
Repeatability	0.5 mg	0.5 mg
Linearity deviation	0.6 mg	0.6 mg
Sensitivity offset (test weight)	1.2 mg (300g)	1.2 mg (300g)
USP MinWeight (k=2, U=0.10%, 5% load)	1 g	1 g
MinWeight (k=2, U=1%, 5% load)	100 mg	100 mg
Settling time	1.5 s	1.5 s
<b>Dimensions</b>		
Weighing pan size (mm)	127 x 127	127 x 127
SmartPan included	Yes	Yes
Draft shield	Included	Optional



Balance model	XS603S	XS603SN	XS1203S
<b>Limit values</b>			
Maximum capacity	610 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
<b>Typical values</b>			
Repeatability	0.5 mg	0.5 mg	0.4 mg
Linearity deviation	0.7 mg	0.7 mg	0.6 mg
Sensitivity offset (test weight)	1.2 mg (600g)	1.2 mg (600g)	1.5 mg (1200 g)
USP MinWeight (k=2, U=0.10%, 5% load)	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
<b>Dimensions</b>			
Weighing pan size (mm)	127 x 127	127 x 127	127 x 127
SmartPan included	Yes	Yes	Yes
Draft shield	Included	Optional	Included



Balance model	XS1202S	XS2002S	XS4002S
<b>Limit values</b>			
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
<b>Typical values</b>			
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)
USP MinWeight (k=2, U=0.10%, 5% load)	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
<b>Dimensions</b>			
Weighing pan size (mm)	172 x 205	172 x 205	172 x 205
SmartPan included	Yes	Yes	Yes



Balance model	XS6002SDR	XS6002S	XS10002S
<b>Limit values</b>			
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
<b>Typical values</b>			
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)
USP MinWeight (k=2, U=0.10%, 5% load)	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
<b>Dimensions</b>			
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
<b>Limit values</b>				
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
<b>Typical values</b>				
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)
USP MinWeight (k=2, U=0.10%, 5% load)	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
<b>Dimensions</b>				
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

## 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.



## 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.

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[www.mt.com/xs-precision](http://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](http://www.mt.com/GWP)