

## A Rugged Performer for all Lab Weighing Applications



### Reliable Results

The innovative MonoBloc<sup>HighSpeed</sup> weighing cell ensures high measurement precision. Fast, reliable results are guaranteed whatever your working environment.



### Durable Design

The rugged construction protects against corrosive chemicals and prevents ingress of dust and liquids. The built-in overload protection ensures durability.



### Intuitive Interface

The intuitive user guidance facilitates fast and simple operation on the touchscreen terminal. Data input is easy with the alphanumeric touchpad.



### Additional Accessories

Optional equipment optimizes individual working processes. E.g. the Bluetooth Printer makes documentation easy and the ergonomic stand releases bench space.



### XA Precision Balances Excellence in Pure Weighing

The Excellence XA Balance Line offers all the important functionality lab personnel need to achieve accurate weighing results.

XA Precision Balances are straightforward and easy-to-use. The touchscreen and intuitive user interface reduce the time and effort required for data entry and configuration.

Whatever the focus of the user's studies, these robust balances can withstand harsh treatment and still excel in terms of reliability and repeatability. Clever solutions for cleaning mean taking care of the balance is quick and easy too.

METTLER TOLEDO XA Precision Balances  
– focused on performance and ease-of-use.

# XA Precision Balances (S- and L-Platforms)

## Excellence in Pure Weighing



Models with S-Platform	XA303S	XA503S	XA1502S	XA3002S	XA5002S	XA3001S
<b>Part no.</b>	Magic Cube 11126810	Magic Cube 11126815	Wind Ring 11126820	Wind Ring 11126825	Wind Ring 11126835	11126830
<b>Limit values</b>						
Maximum capacity	310 g	510 g	1.51 kg	3.1 kg	5.1 kg	3.1 kg
Readability	1 mg	1 mg	10 mg	10 mg	10 mg	100 mg
Repeatability (at nominal load) <sup>1)</sup>	0.9 mg	0.9 mg	8 mg	8 mg	8 mg	80 mg
Linearity deviation	2 mg	2 mg	20 mg	20 mg	20 mg	60 mg
Sensitivity offset (test load) <sup>2)</sup>	6 mg (300 g)	10 mg (500 g)	45 mg (1.5 kg)	45 mg (3 kg)	100 mg (5 kg)	180 mg (3 kg)
Balance dimensions (w x d x h, mm)	198 x 366 x 276	198 x 366 x 276	194 x 366 x 96	194 x 366 x 96	194 x 366 x 96	194 x 366 x 96
Weighing pan dimensions (w x d, mm)	127 x 127	127 x 127	170 x 205	170 x 205	170 x 205	190 x 223
<b>Typical values</b>						
Repeatability <sup>1)</sup>	0.5 mg	0.5 mg	4 mg	4 mg	4 mg	40 mg
Minimum weight (according to USP)	1.5 g	1.5 g	12 g	12 g	12 g	120 g
Minimum weight (U=1%, 2 sd)	100 mg	100 mg	800 mg	800 mg	800 mg	8 g
Settling time	1.5 s	1.5 s	1.2 s	1.2 s	1.2 s	0.8 s
Linearity deviation	1.1 mg	1.3 mg	12 mg	12 mg	13 mg	38 mg
Sensitivity offset (test load) <sup>2)</sup>	2.4 mg (300 g)	2.5 mg (500 g)	24 mg (1.5 kg)	24 mg (3 kg)	25 mg (5 kg)	120 mg (3 kg)

Models with L-Platform	XA16001L	XA32001L
<b>Part no.</b>	11126840	11126845
<b>Limit values</b>		
Maximum capacity	16.1 kg	32.1 kg
Readability	0.1 g	0.1 g
Repeatability (at nominal load) <sup>1)</sup>	0.08 g	0.08 g
Linearity deviation	0.2 g	0.3 g
Sensitivity offset (test load) <sup>2)</sup>	0.8 g (16 kg)	0.96 g (32 kg)
Balance dimensions (w x d x h, mm)	360 x 404 x 130	360 x 404 x 130
Weighing pan dimensions (w x d, mm)	360 x 280	360 x 280
<b>Typical values</b>		
Repeatability <sup>1)</sup>	0.04 g	0.04 g
Minimum weight (according to USP)	120 g	120 g
Minimum weight (U=1%, 2 sd)	8 g	8 g
Settling time	1.5 s	1.5 s
Linearity deviation	0.13 g	0.2 g
Sensitivity offset (test load) <sup>2)</sup>	0.26 g (16 kg)	0.32 g (32 kg)

<sup>1)</sup> standard deviation (sd), <sup>2)</sup> 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.

### Standard Equipment:

- MonoBloc<sup>HighSpeed</sup> weighing cell
- Different weighing units available, plus define your own units
- Built-in applications: simple weighing, percent weighing, statistics, piece counting
- 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

### Accessories

Printer RS-P42 with RS232C connection	00229265
Printer BT-P42 with wireless Bluetooth connection	11132540
ErgoSens: hands-free sensor for balance functions	11132601
BTS option: Bluetooth interface, single-point connection	11132535
MPS (Magnetic Protection Shield)	
for 0.1 g model S-Platform, 190 x 223 mm	11132625
for 10 mg model S-Platform, 170 x 205 mm	11132626
Terminal Stand for placement of the terminal	
30 cm above weighing pan for S-Platform	11132636
for L-Platform	11132653

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

For more information



### Mettler-Toledo AG

Laboratory & Weighing Technologies  
CH-8606 Greifensee, Switzerland  
Phone +41 44 944 22 11  
Fax +41 44 944 30 60

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**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](http://www.mt.com/GWP)