

Classic Balances



Classic Balances

Accurate

Easy to use

Reliable



Simply Accurate
Built For Universal Use

METTLER TOLEDO

Free your mind With Simple Weighing Technology

Changes in temperature have a direct influence on the accuracy of your weighing results. Although we cannot alter physics, with FACT we can eliminate these influences automatically – and free your mind for more important tasks. With Classic Plus balances from METTLER TOLEDO weighing becomes as worry-free as can be, leaving you sure of one thing: accurate results, in any climate.



All balances offer the following:

FACT Fully automatic adjustment with an internal weight.

A Easy-to-use application programs built-in as standard:

- Piece counting with simple reference selection
- % weighing
- Dynamic weighing with automatic or manual start

X "Free Factor" for multiplication and division (except Classic balances).

g/lb Weighing results in different units: kg, g, mg, lb, oz, ozt, GN, dwt, mo, m, tl.

Water droplets icon Weighing process adapter with four different settings assures optimal weighing performance.

Waves icon Vibration adapter. Damps influences due to vibrations and minor shocks, even in difficult environments (except Classic balances).

METAL High-grade chemical-resistant die-cast aluminium housing reliably protects the weighing cell and electronics.

Lightbulb icon Brilliant backlit display (except 0.01 mg models).

Umbrella icon Protective cover encloses the entire housing preventing damage to the balance.

RS 232 Standard RS232C interface for connection to PC and printer.

Hook icon Hook for weighing below the balance.

OIML Certified versions of all models available.

Accurate

Our Classic Plus balances feature FACT, the Fully Automatic Calibration Technology from METTLER TOLEDO. FACT automatically initiates the adjustment of your balance with internal weights whenever temperature changes risk affecting the accuracy of your weighing results. You benefit twice: firstly, you are sure that your measurements are accurate under all conditions and, secondly, FACT saves you time and worry because you can forget those time-consuming checks using external weights or a manually-triggered internal adjustment.

Easy to use

The clear menu with easy-to-use application programs, a brilliant backlit display and simple cleaning make these balances ideal to work with every day.

Reliable

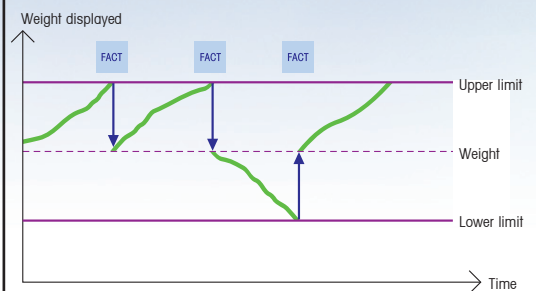
All Classic Level balances are designed for a long service life. Rugged metal housing, durable sensor keys and overload protection guarantee strong performance in laboratories as well as in harsh industrial environments.

Flexible with Free Factor

The "Free Factor" function might be used to multiply, in order calculate the price of say material weight directly. Alternatively, to divide, in order calculate the weight per defined unit.

FACT

Temperature changes influence the accuracy of the weighing result. FACT adjusts the balance automatically any time the sensor detects a value above or below the permissible tolerance limits.



"Free Factor" for multiplication and division (except Classic balances).

Our line-up, your choice

Classic Plus

Readability	Max. capacity	Model	Adjustment	MonoBloc	Repeatability	Linearity	Weighing pan (mm)
0.01 mg	31 g/120 g ¹⁾	AB135-S/FACT	FACT		0.03 mg/0.1 mg	0.2 mg	Ø 80
	61 g/220 g ¹⁾	AB265-S/FACT	FACT		0.03 mg/0.1 mg	0.2 mg	
	51 g	AB54-S/FACT	FACT	■	0.1 mg	0.2 mg	
0.1 mg	110 g	AB104-S/FACT	FACT	■	0.1 mg	0.2 mg	
	220 g	AB204-S/FACT	FACT		0.1 mg	0.2 mg	
	320 g	AB304-S/FACT	FACT	■	0.1 mg	0.4 mg	
0.001 g	151 g	PB153-S/FACT	FACT	■	0.001 g	0.002 g	Ø100
	310 g	PB303-S/FACT	FACT	■	0.001 g	0.002 g	
	60 g/310 g ²⁾	PB303-SDR/FACT	FACT	■	0.001 g/0.008 g	0.01 g	
	410 g	PB403-S/FACT	FACT	■	0.001 g	0.002 g	
	510 g	PB503-S/FACT	FACT	■	0.001 g	0.002 g	
0.01 g	610 g	PB602-S/FACT	FACT	■	0.01 g	0.02 g	Ø180
	1510 g	PB1502-S/FACT	FACT	■	0.01 g	0.02 g	
	3100 g	PB3002-S/FACT	FACT	■	0.01 g	0.02 g	
	600 g/3100 g ²⁾	PB3002-SDR/FACT	FACT	■	0.01 g/0.08 g	0.1 g	
0.1 g	4100 g	PB4002-S/FACT	FACT	■	0.01 g	0.02 g	180 x 180
	1510 g	PB1501-S/FACT	FACT	■	0.08 g	0.1 g	
	3100 g	PB3001-S/FACT	FACT	■	0.08 g	0.1 g	
	5100 g	PB5001-S/FACT	FACT	■	0.08 g	0.1 g	
1 g	8100 g	PB8001-S/FACT	FACT	■	0.08 g	0.1 g	180 x 180
	8100 g	PB8000-S/FACT	FACT	■	0.8 g	1 g	

Classic

Readability	Max. capacity	Model	Adjustment	MonoBloc	Repeatability	Linearity	Weighing pan (mm)
0.01 mg	61 g/220 g ¹⁾	AB265-S	Cal Int		0.03 mg/0.1 mg	0.2 mg	Ø 80
	51 g	AB54-S	Cal Int	■	0.1 mg	0.2 mg	
0.1 mg	110 g	AB104-S	Cal Int	■	0.1 mg	0.2 mg	
	220 g	AB204-S	Cal Int		0.1 mg	0.2 mg	
	320 g	AB304-S	Cal Int	■	0.1 mg	0.4 mg	
0.001 g	151 g	PB153-L	Cal Ext	■	0.001 g	0.002 g	Ø100
	310 g	PB303-L	Cal Ext	■	0.001 g	0.002 g	
	60 g/310 g ²⁾	PB303-LDR	Cal Ext	■	0.001 g/0.008 g	0.01 g	
0.01 g	610 g	PB602-L	Cal Ext	■	0.01 g	0.02 g	Ø180
	1510 g	PB1502-L	Cal Ext	■	0.01 g	0.02 g	
	3100 g	PB3002-L	Cal Ext	■	0.01 g	0.02 g	
	600 g/3100 g ²⁾	PB3002-LDR	Cal Ext	■	0.01 g/0.08 g	0.1 g	
0.1 g	1510 g	PB1501-L	Cal Ext	■	0.08 g	0.1 g	Ø180
	3100 g	PB3001-L	Cal Ext	■	0.08 g	0.1 g	
	5100 g	PB5001-L	Cal Ext	■	0.08 g	0.1 g	
	8100 g	PB8001-L	Cal Ext	■	0.08 g	0.1 g	
1 g	8100 g	PB8000-L	Cal Ext	■	0.8 g	1 g	349 x 232
	8100 g	SB8001	Cal Ext	■	0.1 g	0.2 g	
	12100 g	SB12001	Cal Ext	■	0.1 g	0.3 g	
0.1 g	16100 g	SB16001	Cal Ext	■	0.1 g	0.3 g	349 x 232
	3200 g/16100 g ²⁾	SB16001DR	Cal Ext	■	0.1 g/0.5 g	0.3 g/0.5 g	
	4800 g/24100 g ²⁾	SB24001DR	Cal Ext	■	0.1 g/0.5 g	0.3 g/0.5 g	
	6400 g/32100 g ²⁾	SB32001DR	Cal Ext	■	0.1 g/0.5 g	0.3 g/0.5 g	
1 g	8100 g	SB8000	Cal Ext	■	0.5 g	0.5 g	349 x 232
	16100 g	SB16000	Cal Ext	■	0.5 g	0.5 g	
1 g	32100 g	SB32000	Cal Ext	■	0.5 g	0.5 g	

FACT Fully automatic adjustment with an internal weight

Cal Int Adjustment at a keystroke with an internal weight

Cal Ext Adjustment with external weights

¹⁾ **Dual Range** Fine range from 0–28% of the weighing range, depending on the model

²⁾ **Delta Range** Ten times higher readability over the entire weighing range at a keystroke. Depending on the model, this fine range covers up to 20% of the coarse range



MonoBloc weighing technology for fast and accurate results

**What always counts:
Simple design and extremely rugged
construction for an exceptionally long life.**

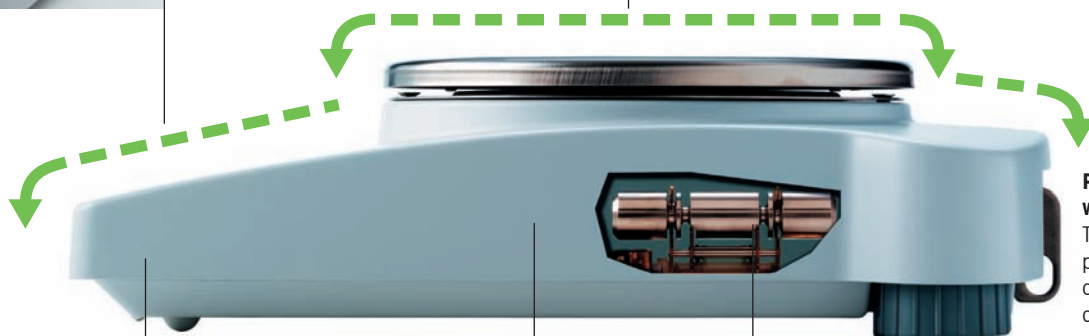
ServiceXXL
Tailored Services

Service tailored to your needs

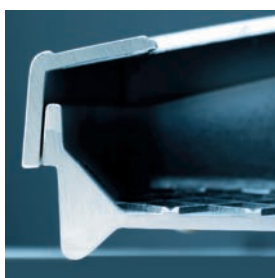
Benefit from the many years of METTLER TOLEDO experience and global knowledge. We offer reliability and long life for your balance. A service which quickly pays for itself.



Rugged sensor keys
Practically non-wearing, especially easy to clean.



Protected plug with interfaces
The housing reliably protects the AC adapter and RS232C port against spill samples.



Protection guaranteed
Upper and lower housing is made of chemical-resistant die-cast aluminium. Additional protection is provided by the in-use cover.

Built-in adjustment weight
All models (except PB-L) are equipped with an internal adjustment weight.



Tough stuff
Built-in shock and overload protection for durability without compromise.



High-performance weighing
MonoBloc weighing technology for fast and accurate results.

Accessories for Classic balances from METTLER TOLEDO make specific applications even easier.



LC-P45 Printer

Order No. 00229119

Applications:

- Statistical functions
- Totaling results
- Multiplication and division



RS-P26 Printer

Order No. 12120788

Applications:

- Ergonomically designed operation keys like Zero, Date/Time, Feed, Print



Density kit

Order No. 00033360

For determining the density of solids.



USB-232 Cable

Order No. 11103691

The USB-232 converter is an expansion module that connects to a PC USB port.



Anti-theft device

Order No. 00590101

Steel cord with lock secures the balance.



LabX direct balance

Order No. 11120340

Simple data input by connecting the balance to a PC.



RS/LC-BLD aux. display

Order No. 00224200

On bench stand with a backlit LC display.



AccuPac B-S

Order No. 21254691

For portable weighing. Rechargeable external power supply up to 18 hours of operation.



RS232 auxiliary display

Order No. 12120057

The backlit auxiliary display can be placed elsewhere.



Weights

Weight for tests and adjustments. Guaranteed traceability.



Excellence Plus **XP**



Excellence **XS**

If your balance is used in a regulated environment or if the emphasis is on productivity, we recommend balances from our Excellence Level.



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



UK Office

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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.