Precision Balance - Top Loading Lab Scale - 0.01 g Readability - 210-3100 g Capacity

Model **MSBP-212-2CSWISS, MSBP-312-2CSWISS, MSBP-612-2CSWISS, MSBP-1102-2CSWISS, MSBP-2102-2CSWISS, MSBP-3102-2CSWISS** | Brand **Master Science**





The Master Science Precision Balance is a top-loading laboratory balance with 0.01 g readability for everyday weighing of samples, reagents and finished products. Six capacities from 210 g to 3100 g share the same compact body and Ø130 mm stainless pan.

KEY HIGHLIGHTS

- Fast weighing
- Right capacity for the job
- Flexible power
- Useful functions
- Compact footprint

AT A GLANCE

0.01 g READABILITY	**±0.02 g** REPEATABILITY
±0.03 g LINEARITY	**Ø130 mm** PAN SIZE

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Overview

Readings settle in two seconds or less, and the balance can run from mains power or DC supply, making it practical on the bench, in production areas and in teaching labs.

Key Benefits

Fast weighing
the Master Science Precision Balance stabilises in two seconds or less.

Right capacity for the job
six models from 210 g to 3100 g.

Flexible power
AC or DC operation allows use away from a socket.

Useful functions
counting, unit conversion and minimum weight setting.

Compact footprint
fits crowded benches and production lines.

For four-decimal weighing, see the Master Science analytical balance.

Technical Specifications

GENERAL

Brand	Master Science
Model Number	MSBP-212-2CSWISS, MSBP-312-2CSWISS, MSBP-612-2CSWISS, MSBP-1102-2CSWISS, MSBP-2102-2CSWISS, MSBP-3102-2CSWISS
SKU	MSBP-212-2CSWISS, MSBP-312-2CSWISS, MSBP-612-2CSWISS, MSBP-1102-2CSWISS, MSBP-2102-2CSWISS, MSBP-3102-2CSWISS
Models and Capacity	**MSBP-212-2CSWISS 210 g; MSBP-312-2CSWISS 310 g; MSBP-612-2CSWISS 610 g; MSBP-1102-2CSWISS 1100 g; MSBP-2102-2CSWISS 2100 g; MSBP-3102-2CSWISS 3100 g**
Readability	**0.01 g**
Repeatability	±0.02 g
Linearity	±0.03 g
Stabilisation Time	≤ 2 s
Units	g, ct, oz
Functions	Tare, counting, unit conversion, minimum weight setting
Alarms	Overload; level indicator
Options	Dual display, RS232, printer, draft shield
Display	LCD
Power	AC and DC
Operating Temperature	5 to 25 °C

DIMENSIONS & WEIGHT

Calibration Weight	200 g (210-610 g models); 500 g (1100 g model); optional (2100, 3100 g)
Pan Size	Ø130 mm
Dimensions	270 × 195 × 85 mm
Net / Gross Weight	2.5 kg / 3 kg

HOW THE MASTER SCIENCE PRECISION BALANCE HELPS WITH ROUTINE WEIGHING

Slow, unstable readings	fast stabilisation speeds up work.
Counting small parts by hand	the counting function does it automatically.
No power outlet nearby	DC operation is supported.
Overloading the balance	an overload alarm protects the sensor.
Unlevel benches	the level indicator shows correct setup.

Applications

The Master Science Precision Balance is used for

Sample and reagent weighing Food and formulation batching Quality control of packaged goods Teaching laboratories Jewellery and small parts weighing

Weighing

- 0.01 g readability
- ≤ 2 s stabilisation
- Ø130 mm pan

Functions

- Tare and counting
- g/ct/oz units
- Minimum weight setting

Options

- Dual display
- RS232 interface and printer
- Draft shield

Optional Accessories

- Dual display
- RS232 interface
- Printer
- Draft shield
- Calibration weight (2100 and 3100 g models)