Precision Balance - 0.01 g Electronic Laboratory Scale - 3000/4000/5000 g, 180x180 mm Pan

Model **MSBP-3002-CSWISS, MSBP-4002-CSWISS, MSBP-5002-CSWISS** | Brand **Master Science**









The Master Science 0.01 g Precision Balance is a top-loading electronic balance for larger samples that still need two-decimal accuracy. It comes in 3000 g, 4000 g and 5000 g capacities, each reading to 0.01 g and settling within three seconds.

KEY HIGHLIGHTS

- High capacity with fine readability
- Fast results
- Room for large containers
- Handy functions
- Safe operation

AT A GLANCE

±0.02 g REPEATABILITY	**±0.03 g** LINEARITY
180 x 180 mm PAN SIZE	

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Overview

The 180 x 180 mm pan takes beakers and trays comfortably, and the aluminium housing keeps the Master Science 0.01 g Precision Balance steady on the bench. Tare, piece counting and unit conversion between g, ct and oz are built in.

Specifications for the three versions of the Master Science 0.01 g Precision Balance are given below.

Key Benefits

High capacity with fine readability
: the Master Science 0.01 g Precision Balance weighs up to 5000 g at 0.01 g.

Fast results
: stable in 3 seconds or less.

Room for large containers
: 180 x 180 mm pan.

Handy functions
: tare and piece counting.

Safe operation
: overload alarm and level indicator.

For milligram-level work, see the Master Science touch screen analytical balance.

Technical Specifications

GENERAL

Brand	Master Science
Model Number	MSBP-3002-CSWISS, MSBP-4002-CSWISS, MSBP-5002-CSWISS
SKU	MSBP-3002-CSWISS, MSBP-4002-CSWISS, MSBP-5002-CSWISS
Capacity	**3000 g (MSBP-3002-CSWISS); 4000 g (MSBP-4002-CSWISS); 5000 g (MSBP-5002-CSWISS)**
Resolution	0.01 g
Minimum Weighing	0.04 g
Stabilisation Time	≤3 s
Repeatability	±0.02 g
Linearity	±0.03 g
Calibration	External calibration
Weighing Units	g, ct, oz
Display	LCD
Operating Temperature	5 to 25°C

DIMENSIONS & WEIGHT

Pan Size	180 x 180 mm
Net Weight	5 kg
Container weight has to be subtracted by hand	: the tare key zeroes it out.

COMMON PROBLEMS THIS BALANCE SOLVES

Common Problems This Balance Solves	Everyday bench weighing goes wrong in a few predictable ways.
Counting small parts takes time	: the counting mode does it by weight.
Balance damaged by too heavy a load	: an overload alarm warns first.
Uneven benches skew results	: the level indicator shows when adjustment is needed.

Applications

The Master Science 0.01 g Precision Balance is suitable for general weighing in: Laboratory sample and reagent preparation Formulation and batching Quality control checks Teaching laboratories

Design

- Aluminium shell
- LCD display
- Level indicator for correct set-up

Functions

- Tare function and counting
- Unit conversion: g, ct, oz
- Overload alarm
- External calibration

Optional Accessories

- Printer