Touch Screen Analytical Balance - 0.0001 g Internal Calibration Lab Balance - 120/200/220 g, ≤3 s

Model **MSBA-T1204SWISS, MSBA-T2004SWISS, MSBA-T2204SWISS** | Brand **Master Science**







The Master Science Touch Screen Analytical Balance weighs to 0.0001 g using an electromagnetic force sensor and calibrates itself internally, either at the press of a key or on a timed trigger. Three capacities are offered: 120 g, 200 g and 220 g.

KEY HIGHLIGHTS

- Always in calibration
- Quick readings
- More than plain weighing
- Protected from draughts
- Clear warnings

AT A GLANCE

±0.0002 g REPEATABILITY	**±0.0003 g** LINEARITY
Φ80 mm PAN SIZE	

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Overview

A 5-inch touch panel gives access to weighing, counting, density and percentage functions, and the roomy draft shield protects the pan from air currents. The Master Science Touch Screen Analytical Balance has an aluminium housing and a level indicator for correct set-up.

Specifications for the three versions of the Master Science Touch Screen Analytical Balance are listed below.

Key Benefits

Always in calibration
: the Master Science Touch Screen Analytical Balance adjusts itself by key press or timer.

Quick readings
: stable within 3 seconds.

More than plain weighing
: counting, density and percentage modes.

Protected from draughts
: large windproof cover.

Clear warnings
: overload alarm, fault alarm and level indicator.

For another four-decimal option, see the Master Science 0.0001 g analytical balance.

Technical Specifications

GENERAL

Brand	Master Science
Model Number	MSBA-T1204SWISS, MSBA-T2004SWISS, MSBA-T2204SWISS
SKU	MSBA-T1204SWISS, MSBA-T2004SWISS, MSBA-T2204SWISS
Capacity	**120 g (MSBA-T1204SWISS); 200 g (MSBA-T2004SWISS); 220 g (MSBA-T2204SWISS)**
Resolution	0.0001 g
Minimum Weighing	0.0004 g
Stabilisation Time	≤3 s
Repeatability	±0.0002 g
Linearity	±0.0003 g
Calibration	Internal calibration
Sensor	Electromagnetic force sensor
Weighing Units	g, mg, ct, oz, lb
Operating Temperature	5 to 35°C
Air currents upset the reading	: the draft shield encloses the pan.

DISPLAY & DATA

Display	5-inch touch panel LCD, white backlight with black characters
Interface	RS232 (standard)

DIMENSIONS & WEIGHT

Pan Size	Φ80 mm
Draft Shield Size	240 x 190 x 265 mm

COMMON PROBLEMS THIS BALANCE SOLVES

Common Problems This Balance Solves	Four-decimal weighing is sensitive; these features remove the usual sources of error.
Drift when room conditions change	: timed internal calibration corrects it automatically.
Balance set up off-level	: the level indicator shows it straight away.
Accidental overloading	: an overload alarm warns the operator.

Applications

The Master Science Touch Screen Analytical Balance is suited to precise weighing tasks in: Analytical and quality control laboratories Pharmaceutical and chemical sample preparation Density determination of solids and liquids Research and teaching laboratories

Weighing System

- Internal auto-calibration
- One-key or time-triggered internal calibration
- Electromagnetic force sensor
- Sensitivity and speed settings
- Under-weighing (below-balance weighing)

Operation

- 5-inch touch panel
- Tare function, counting, density and percentage weighing
- Unit conversion: g, mg, ct, oz, lb
- Overload alarm, fault alarm and level indicator
- Aluminium shell with large-space windproof cover

Optional Accessories

- Printer