



TQC Sheen Analytical Balance Mark 124A

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The TQC Sheen Analytical Balance Mark 124A is a high-accuracy weighing scale designed for formulation, research, and quality control applications. Equipped with an electromagnetic force restoration system, it reliably detects even the smallest changes in mass, ensuring precise and repeatable results. This balance is also offered as an optional component in the official Qualicoat testing kit.

Engineered for Accuracy

With a weighing capacity of 120 g and a readability of 0.1 mg, the Mark 124A delivers consistent performance with a reproducibility (standard deviation) of 0.1 mg. Its robust design ensures reliable measurements that support demanding laboratory work.

Built to Last

Featuring a durable double case structure and protective plastic cover, this analytical balance is designed for long-term use in challenging environments. The large glass draught shield with three sliding doors enables precise weighing even in draughty or unstable conditions.

Simple and Reliable Operation

- 1) Place the balance on a stable, level surface.
- 2) Open the draught shield to access the weighing pan.
- 3) Add your sample.
- 4) Read the precise measurement on the bright backlit LCD screen.

Practical Features

The Mark 124A includes a user-friendly keypad with oversized buttons for effortless operation. Its backlit LCD display with adjustable contrast ensures clear visibility in any lighting condition, making it a reliable tool for daily laboratory use.

Part of a Complete Testing Solution

Alongside other analytical balances and weighing scales from our portfolio, the TQC Sheen Analytical Balance Mark 124A is included as an optional extra in the Qualicoat testing kit. This provides laboratories with everything they need to evaluate coatings against technical specifications and customer requirements.

Ordering Information:

Catalog Number Article Description

DI1750

Analytical Balance Mark 124A

Features:

- Highly accurate – electromagnetic force restoration weighing system
- Illuminated testing – features adjustable LCD backlight
- Weather-protected testing – large glass draught shield with sliding doors for easy access
- Built to endure – includes plastic protection cover
- Simple calibration – external, or automatic, internal calibration

Technical Specification:

Capacity:	1 mm
Resolution:	0.1 mg
Calibration:	External
Pan size:	Ø 80mm
Response time (sec.):	≤4
Linearity:	± 0.0003g
Repeatability:	0.1mg
Verification:	N/A
Minimum load	10 mg
Display:	LCD
Tare range (Subtractive):	120g
Span drift in +10...+30°C:	± 3 ppm/°C
Interface:	RS232
Windshield type and dimensions:	three sliding windows / 162x171x225 mm
Working temperature:	5 – 35°C (15-30°C for verified models)
Power supply:	110-230Vac. 50/60Hz, output 24V 500mA 13VA
Power consumption (max):	2 Watt
Calibrates with (class):	100 g (E2)
Balance dimensions (W X L X H):	215 x 345 x 345 mm
Net weight / gross weight, approx.:	6.3 / 8.9 Kg
Package size (W X L X H):	390 x 520 x 630 mm

Disclaimer

The information contained in this document is liable to modification from time to time in the light of experience and our policy of continuous product development. Check the Industrial Physics website for the latest version.

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