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ELECTRONIC BALANCE AZA1090

The AZA1090 Electronic Balance is a high-precision digital weighing instrument engineered for laboratory environments where accuracy, repeatability, and compliance are critical. Designed with advanced load-cell technology and intelligent digital processing, it delivers fast, stable, and highly reliable measurements across a wide range of applications.

Widely used in pharmaceutical, chemical, food, environmental, and research laboratories, AZA1090 ensures precise weighing performance from micro-level analytical tasks to general laboratory measurements.



Design & Construction

- Weighing Pan: Corrosion-resistant stainless steel
- Housing: ABS plastic or die-cast aluminum
- Leveling System: Adjustable feet with level bubble
- Display: Backlit LCD
- Environmental Stability: Designed to minimize vibration and airflow effects

Compliance & Standards

- ISO/IEC 17025 – Calibration readiness
- GLP (Good Laboratory Practice) compliant
- Traceable calibration certificates available on request



UNIVERSE Key Features

High Precision & Accuracy

- Readability options from 0.1 mg to 0.1 g
- High-sensitivity load cell for stable and repeatable results
- Suitable for analytical and routine weighing applications

Fast Stabilization

- Typical stabilization time \leq 3 seconds
- Improves workflow efficiency in high-throughput labs

Wide Capacity Range

- Available from 120 g to 10,000 g
- Supports micro, semi-micro, and general-purpose weighing

Clear Digital Display

- Large backlit LCD screen
- Easy readability in low-light and busy lab environments

User-Friendly Operation

- Simple interface with minimal training required
- Quick access to core weighing functions

Multi-Function Capability

- Tare and zero tracking
- Unit conversion: g, mg, oz, ct, pcs
- Piece counting for batching and inventory

Calibration Flexibility

- External or automatic calibration (model dependent)
- Ensures long-term measurement accuracy



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TECHNICAL SPECIFICATIONS

Parameter	Specification
Model	AZA1090
Capacity Range	120 g – 10,000 g (model dependent)
Readability	0.1 mg / 1 mg / 0.01 g / 0.1 g
Stabilization Time	≤ 3 seconds
Display	Backlit LCD
Pan Size	90 mm – 160 mm diameter
Calibration	External / Automatic
Weighing Units	g, mg, oz, ct, pcs
Power Supply	AC adapter / Rechargeable battery
Interface	RS-232 / USB (optional)
Housing Material	ABS / Die-cast aluminum
Operating Temperature	10°C – 40°C
Overload Protection	Yes
Compliance	ISO/IEC 17025, GLP-ready