

# BL827 Precision Electric Balances



*BL827 Precision Electric Balances are highly accurate weighing instruments. Due to the sensitivity of their high-performance weighing cells, these balances are equipped with a draft shield to maintain a stable weighing environment. With capacities up to 6200 g and readability of 1 mg, these balances are ideal for applications such as sample and standard preparation, formulation, differential weighing, density determination, and pipette routine testing.*

## FEATURES

- Readability: Up to 1 mg
- Capacity: 120 g, 220 g, 620 g, 6200 g
- Gold-Plated Ceramic Sensors: Ensure outstanding accuracy, long-term stability, and fast response times
- Anti-Electrostatic Transparent Windshield
- Anti-Leakage, Anti-Static, Anti-Corrosion
- Connectivity: RS-232 for printer or PC connection
- Budget-Friendly

## APPLICATIONS

- Sample and standard preparation
- Formulation and differential weighing
- Density determination and interval weighing
- Pipette routine testing and elemental analysis
- High-performance liquid chromatography (HPLC)
- Gas chromatography-mass spectrometry (GC-MS)

## SPECIFICATIONS

Part #	ES120	ES220	ES620	ES6200
Reading	1 mg	1 mg	1 mg	10 mg
Capacity	120 g	220 g	620 g	6200 g
Repeatability @5%	±1 mg	±1 mg	±1 mg	±10 mg
Repeatability @100%	±2 mg	±2 mg	±2 mg	±20 mg
Linearity Deviation	±1 mg	±1 mg	±1 mg	±10 mg
Drift (ppm/K)	5	5	5	5

- Typical Stabilization Time: < 2.5 seconds
- Units: Gram (g), Ounce (oz), Carat (ct), Pound (lb)
- Tare: Full weighing range
- Modes: Weighing, counting, percentage, check
- Communication Interface: RS232, USB (optional)
- Power Supply: 100-240V AC, 50/60 Hz
- Weighing Pan: 115 mm diameter, 304 stainless steel
- Chamber Height: 210 mm
- Dimensions (LWH): 210 mm x 310 mm x 315 mm
- Net Weight: 7 kg (including glass windshield)
- Shipment Weight: Approximately 11 kg

## SCOPE OF DELIVERY

- BL827 Precision Electric Balance
- Underweight hook
- Tweezers, brushes, cleaning cloth

## OPTIONAL ACCESSORIES AND SERVICES

- ISO17025 Calibration Certificate (PN: 17025-827)
- Anti-electrostatic transparent windshield
- Portable micro printer
- USB to RS232 connection cable

## ORDERING MODEL NUMBERS

- BL827-ES120
- BL827-ES220
- BL827-ES620
- BL827-ES6200