

Ion BM Series

Micro, Semi-Micro Analytical Balances

Capacity: 520g Readability: 0.000001g

**Standard Features**

- Built-in fanless static eliminator
- Underhook weighing
- Anti-static glass
- Weighing chamber
- Built-in motorized calibration weight
- One touch environmental filters
- GLP/LIM/ISO compliant
- RS-232C and WinCT software standard
- AD-1688 Weighing Data Logger included

Specifications

| | BM-20 [^] | BM-22 [^] | BM-252 [^] | BM-200 [^] | BM-300 [^] | BM-500 [^] | |
|---------------------------------|---|-----------------------|------------------------------------|----------------------|---------------------|----------------------|----------------------|
| Part# | 150762 | 150763 | 150765 | 150766 | 150767 | 150768 | |
| List Price | Consult | Consult | Consult | Consult | Consult | Consult | |
| Capacity | 22g | 22g/5.1g | 250g | 220g | 320g | 520g | |
| Resolution | 0.000001g | 0.00001g/0.000001g | 0.00001g | 0.0001g | 0.0001g | 0.0001g | |
| Operating Modes | Percentage, Counting | | | | | | |
| Repeatability | 0.0025mg | 0.004mg/0.01mg | 0.03mg | 0.1mg | 0.2mg | | |
| Linearity | ±0.010mg | ±0.010mg/0.02mg | ±0.010mg | ±0.2mg | ±0.3mg | ±0.5mg | |
| Stabilization Time | 10 seconds (typically) | 8 to 10 seconds | 8 seconds | Approx. 3.5 seconds | | | |
| Sensitivity Drift (10° C-30° C) | ±2 ppm/° C (when automatic self calibration is not used) | | | | | | |
| Operating Temperature | 41° F to 104° F (5° C to 40° C), 85% RH or less (no condensation) | | | | | | |
| Pan Size | Ø 0.98 inches (25 mm) | | | Ø 3.6 inches (90 mm) | | | |
| Physical Dimensions | (W x D x H) 10.2 x 18.3 x 12.8 in (259 x 466 x 326 mm) | | | | | | |
| Weight | 10 kg (ships by motor freight) | | | | | | |
| Ext. Cal. Mass (optional) | 20g | | 200g | 200g | 300g | 500g | |
| Power | 120/240 AC Adapter | | | | | | |
| Warranty | Five-year Limited Warranty | | | | | | |
| Return Policy | A&D Weighing Standard Policy - restock fee may apply | | | | | | |
| UNIT OF MEASURE | Decimal Ounce | 0.776 x 0.00000001 oz | 0.18/0.776 x 0.0000001/0.000001 oz | 8.82 x 0.000001 oz | 7.76 x 0.000001 oz | 11.29 x 0.000001 oz | 18.34 x 0.000001 oz |
| | Troy Ounce | 0.707 x 0.0000001 ozt | 0.164/0.707 ozt | 8.03 x 0.0000001 ozt | 7.07 x 0.000001 ozt | 10.29 x 0.000001 ozt | 16.72 x 0.000001 ozt |
| | Pennyweight | 14.15 x 0.000001 dwt | 3.28/14.15 x 0.000001 x 0.0001 dwt | 160.7 x 0.000001 dwt | 141.5 x 0.0001 dwt | 20.58 x 0.0001 dwt | 334.4 x 0.0001 dwt |
| | Carat | 110 x 0.000001 ct | 25.5/110 x 0.000001/0.0001 ct | 1,250 x 0.0001 ct | 1,100 x 0.001 ct | 1,600 x 0.001 ct | 2,600 x 0.001 ct |
| | Momme | 5.87 x 0.000001 mom | 1.37/5.87 x 0.000001/0.000001 mom | 66.67 x 0.000001 mom | 58.7 x 0.0001 mom | 85.3 x 0.0001 mom | 138.7 x 0.0001 mom |
| | Grain Unit | 339.5 x 0.000002 GN | 78.71/339.5 x 0.000002/0.0002 GN | 3,858 x 0.0002 GN | 3,395 x 0.002 GN | 4,938 x 0.002 GN | 8,024 x 0.002 GN |

[^] Weighing Chamber

Part Number/Price

| Part # | Model # | Description | Price |
|--------|---------|-------------------------------|---------|
| 150762 | BM-20 | 22 g x 0.001 mg | Consult |
| 150763 | BM-22 | 5.1 g/22 g x 0.001 mg/0.01 mg | Consult |
| 150765 | BM-252 | 250 g x 0.01 mg | Consult |
| 150766 | BM-200 | 220 g x 0.1 mg | Consult |
| 150767 | BM-300 | 320 g x 0.1 mg | Consult |
| 150768 | BM-500 | 520 g x 0.1 mg | Consult |

Options/Accessories

| Part # | Model # | Description | Price |
|--------|----------|--|---------|
| 150769 | BM-08 | Balance OPT, Ethernet BM | Consult |
| 97606 | AD-1653 | Density determination kit (BM-252/200/300/500 only) | Consult |
| 97609 | AD-8922A | Remote controller | Consult |
| 97608 | AD-8920A | Universal remote display | Consult |
| 97612 | SW:128 | Foot switch | Consult |
| 97649 | TB:648 | AC adapter (120V/220V) | Consult |
| 196128 | AD-8127 | Impact dot matrix, statistical printer, includes cable | Consult |