

M5 semi-micro balances are the top level, most innovative and advanced series made by BEL Engineering. Equipped with large 5" color touch screen display, it gives a user-friendly access to all the balance's advanced applications and internal databases. The user has easy and intuitive access to all the functions thanks to the icon-driven menus. This means more efficiency, productivity and interactivity. The -ION models are equipped with an integrated ioniser on the back of the balance with the purpose to neutralize static electricity on charged samples like plastic parts, containers or films for acquiring the most accurate results. A double case structure protects the heart of the balance: an aluminum inner case and a composite plastic external case. The many on-board functions already included, up to 6 operating languages, the large 5" inch display and the RS232 serial output close the circle of a complete product, reliable and truly convenient.

**Features**

- Electromagnetic force restoration weighing system
- Highly integrated weighing cell
- Automatic internal calibration
- 5" Touch-screen Display 800x480
- RS232 serial interface
- Selectable Measuring units
- Internal Database
- GLP
- Multi Languages (EN-DE-FR-IT-SP-PT)
- Multi-user with password protection
- USB port for import/export database data
- Advanced piececounting function with Statistics report
- Textile function to measure fibers with Statistics report
- Advanced Density function, with density index (DI) calculation
- Formulation (Recipe)
- Checkweighing
- Percentual weighing
- Weights adding
- Animal weighing
- Max load determination (Peak hold)
- Large glass draught shield with 3 sliding doors for easy access to the items being weighed



Model	Capacity (g)	Resolution (mg)	Pan (mm)	Repeatability (mg)	Linearity (mg)	Response time (sec.)
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**Automatic internal calibration**

M5-HPB-425i	42	0,01	Ø 80	0,05	± 0,05	≤ 6
M5-HPB-425i-ION	42	0,01	Ø 80	0,05	± 0,08	≤ 6
M5-HPB-105i	102	0,01	Ø 80	0,05	± 0,08	≤ 6
M5-HPB-105i-ION	102	0,01	Ø 80	0,05	± 0,08	≤ 6
M5-HPB-1265Di	62/120	0,01/0,1	Ø 80	0,02 / 0,1	± 0,05 / ± 0,2	≤ 6
M5-HPB-1265Di-ION	62/120	0,01/0,1	Ø 80	0,02 / 0,1	± 0,05 / ± 0,2	≤ 6
M5-HPB-2285Di	82/220	0,01/0,1	Ø 80	0,02 / 0,1	± 0,1 / ± 0,2	≤ 6
M5-HPB-2285Di-ION	82/220	0,01/0,1	Ø 80	0,02 / 0,1	± 0,1 / ± 0,2	≤ 6
M5-HPB-22105Di	102/220	0,01/0,1	Ø 80	0,05 / 0,1	± 0,1 / ± 0,2	≤ 6
M5-HPB-22105Di-ION	102/220	0,01/0,1	Ø 80	0,05 / 0,1	± 0,1 / ± 0,2	≤ 6

**NEW**



A-ION models equipped with integrated ioniser on the back of the balance. The ioniser has two way of operating: 2 minutes or continuously for max 8 hours

**Accessories**

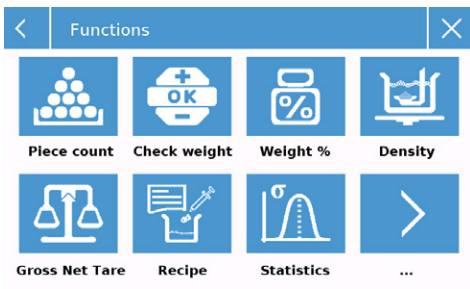
- Portable ioniser Ion-A15 (BL0371)
- Serial Printer TLP-50, with date/time (C054)
- Serial Printer DPP-250 (AC007)
- Density KIT for solids and liquids (AC002)
- Serial to USB converter (E1002)
- Serial cable for serial output to printer or PC (E743)
- USB pendrive 8 Gigabyte
- Stylus pen for touchscreen
- Factory Calibration certificate (BL0333)

**Balance technical data**

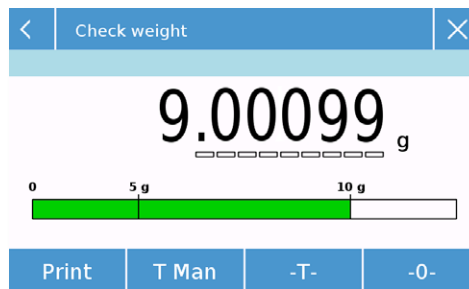
- Span drift (+ 10...+ 30 °C): +/- 2ppm/°C
- Dimensions LxWxH (mm): 345x215x345
- Weighing chamber dimensions LxWxH (mm): 162x171x225
- Power supply 110-230Vac, 50/60Hz; output 24V 500mA 13VA
- Net Weight: 6,7 Kg
- Net Weight -ION models: 7,2 Kg

**Ioniser technical data**

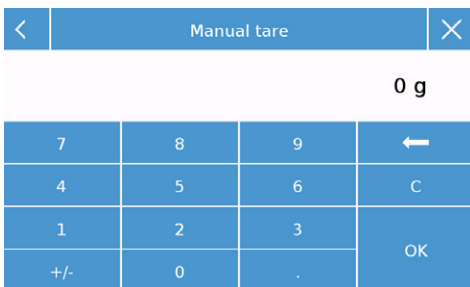
- Operation modes: 2 minutes or continuously for max 8 hours
- Ozone concentration: 0-0.05 ppm (2cm from ion source)
- Distance sample-ion source: about 5-40 cm
- Discharge time: 9s/5cm, 13s/10cm
- Ambient conditions: 0-50°C, 20-80% air humidity (non-condensing)
- Ioniser Power supply: IN AC 100-240V 50/60Hz, OUT DC 12V, 500mA



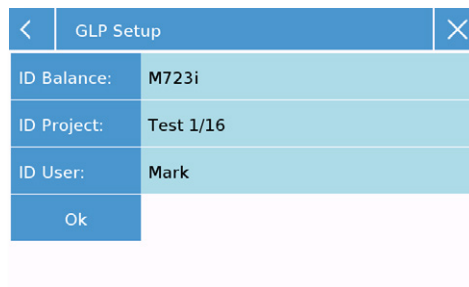
Main functions page for easy working



Live color indication for check weighing



Manual tare input



Clear and easy input for GLP function