HPBG and SHPBG - Readability 0,01mg

BEL Engineering introduces the new series of semiMicro HPBG balances with a readability of 0.01 mg. Equipped with the new highly integrated electromagnetic cell, with automatic internal calibration on all models, they are characterized by a high level of precision and repeatability.

All models feature a large graphic display for easy reading and user friendly operations with many functions.

HPBG balances have an extensive recipe database, GLP and many embedded advanced features that make them perfect for use in laboratory, research departments, compounds formulation and quality control applications.

Main features

- Electromagnetic force restoration weighing system
- User selectable environmental filter
- External or automatic internal calibration
- Recipe database: 99 recipes can be stored, each with up to 20 ingredients
- Large Graphic display allows efficient and easy operations
- Multi Language: EN-DE-FR-IT-ES-PT
- GLP/ISO record of last stored calibration data
- Integrated ioniser on rear of balance for -ION models
- Large glass draftshield with 3 sliding doors for easy access to the items being weighed
- RS232 serial interface
- Plastic protection cover

Accessories

- Portable ioniser Ion-A15 (BL0371)
- Communication KIT balance/PC (BL0476)
- Serial Printer TLP-50, with date/time (C054)
- Serial Printer DPP-250 (AC007)
- Density KIT for solids and liquids (AC002)
- Alphanumeric external keyboard (AC005)
- Serial to USB converter (E1002)
- Serial cable for serial output to printer or PC (E743)
- Factory Calibration certificate (BL0333)

Model	Max (g)	Readability [d] (mg)	Pan (mm)	Repeatability (St.Dev.) (mg)	Linearity (mg)	Response time (sec.)
Automatic internal calibration						
HPBG-625i	62	0,01	Ø 80	0,03	± 0,08	≤ 6
HPBG-105i	102	0,01	Ø 80	0,05	± 0,08	≤ 6
HPBG-1265Di	62/120	0,01/0,1	Ø 80	0,03 / 0,1	± 0,08 / ± 0,2	≤ 6
HPBG-2285Di	82/220	0,01/0,1	Ø 80	0,04 / 0,1	± 0,1 / ± 0,2	≤ 6
HPBG-22105Di	102/220	0,01/0,1	Ø 80	0,05 / 0,1	± 0,1 / ± 0,2	≤ 6

GRAPHIC GLP ION

EM-FR PCS LIMITS %WEIGH ADD ANIMAL DENSITY PEAK RS 232 UNITS CLOCK LANG FORMULA

Model	Max (g)	Readability [d] (mg)	Pan (mm)	Repeatability (St.Dev.) (mg)	Linearity (mg)	Response time (sec.)
Automatic internal calibration						
HPBG-625i-ION	62	0,01	Ø 80	0,03	± 0,08	≤ 6
HPBG-105i-ION	102	0,01	Ø 80	0,05	± 0,08	≤ 6
SHPBG-125i-ION	122	0,01	Ø 80	0,05	± 0,1	≤ 6
SHPBG-165i-ION	162	0,01	Ø 80	0,05	± 0,1	≤ 6
SHPBG-225i-ION	220	0,01	Ø 80	0,05	± 0,1	≤ 6
HPBG-1265Di-ION	62/120	0,01/0,1	Ø 80	0,03 / 0,1	± 0,08 / ± 0,2	≤ 6
HPBG-2285Di-ION	82/220	0,01/0,1	Ø 80	0,04 / 0,1	± 0,1 / ± 0,2	≤ 6
HPBG-22105Di-ION	102/220	0,01/0,1	Ø 80	0,05 / 0,1	± 0,1 / ± 0,2	≤ 6

The -ION models are equipped with an integrated ioniser on the rear 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.

Balance technical data

Common features

- 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 1A multi plug
- Net Weight: 7Kg
- Net Weight -ION models: 7,4 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, 1A