

MARK-10

BG

- TENSION & COMPRESSION
- CAPACITY: 500 lbf / 250 kgf / 2500 N
- ADVANCED FORCE TESTER
- BI-DIRECTIONAL RS232
- SELECTABLE: lbf / kgf / N
- PEAK FORCE HOLD
- AVERAGING MODE
- EXTERNAL TRIGGER MODE
- FORCE SETPOINT OUTPUT
- ACCURACY: $\pm 0.2\%$



BG
Digital Force Gauge

The **BG Digital Force Gauge** provides **advanced force measuring** with added features including data outputs, computer and motorized test stand control and a wide range of capacities from 0.12 lbf to 500 lbf.

Advanced features include **RS232, Mitutoyo and analog outputs, high/low force set points, force averaging over time and remote computer control** of BG functions. When mounted on a motorized test stand, the BG can stop travel at selected force setpoints, prevent force gauge overload and provide Go/No-Go indication.

CONSTRUCTION

- Compact lightweight aluminum housing.
- Split housing for upright display with shaft up or down.
- 4 1/2 digit 0.3" LCD display and 6 button keypad.
- American standard load shaft and mounting threads.

OPERATION

- Peak force sampling rate: 65/second.
- Tension and compression peaks held in memory.
- Selectable units: lbf, kgf or N.
- RS232, Mitutoyo, ± 1 Vdc analog and setpoints on 9 pin connector.
- Bi-directional RS232 with baud rates to 9600 for computer control of BG functions.
- Averaging mode provides average force over time.
- External trigger mode permits data capture upon receipt of external signal.
- Setpoint outputs for GO/NO-GO and IN-RANGE indication.

POWER REQUIREMENTS

- Continuous operation with 110 or 220 Vac adapter.
- Rechargeable NiMH battery for 10 hours of use with 8 hour charge.
- Auto-off conserves battery power.

ACCESSORIES

- Includes: NiMH battery, AC adapter/charger, six attachments, case, manual and NIST Calibration Certificate.

ACCURACY

- Accurate to $\pm 0.2\%$ of full scale ± 1 least significant digit.

WEIGHT & DIMENSIONS

- 1 lb. [.5 kg]
- 6" [152 mm] H x 2.5" [64 mm] W x 1.5" [38 mm] D

MODEL	CAPACITY/GRADUATION				PRICE
BG012	0.12 x 0.00005 lbf	50 x 0.02 gf	0.5 x 0.0002 N		\$1,145
BG025	0.25 x 0.0001 lbf	100 x 0.05 gf	1 x 0.0005 N		1,145
BG05	0.5 x 0.0002 lbf	250 x 0.1 gf	2.5 x 0.001 N		1,145
BG2	2 x 0.001 lbf	1 x 0.0005 kgf	10 x 0.005 N		995
BG5	5 x 0.002 lbf	2.5 x 0.001 kgf	25 x 0.01 N		995
BG10	10 x 0.005 lbf	5 x 0.002 kgf	50 x 0.02 N		995
BG20	20 x .01 lbf	10 x 0.005 kgf	100 x 0.05 N		995
BG50	50 x 0.02 lbf	25 x 0.01 kgf	250 x 0.1 N		995
BG100	100 x 0.05 lbf	50 x 0.02 kgf	500 x 0.2 N		995
BG200	200 x 0.1 lbf	100 x 0.05 kgf	1000 x 0.5 N		1,145
BG500	500 x 0.2 lbf	250 x 0.1 kgf	2500 x 1 N		1,145

ACCESSORIES

09-1048A	Cable, Serial, BG to PC (9 pin)	75
FDIX/CA-USB	Cable, RS232 to USB	35*
09-1090	Cable, set point, BG to Test Stand (9 pin)	145
11-1022	Hi / Lo limits indicator	90

* Includes cable, driver and manual on a CD; converts RS232 at serial port to USB.

FORCE TESTING SOFTWARE

15-1004	MESURgauge Force Testing Software	\$495*
FDIX/KI	Key Injector Software - PC Software Link	50**

* Feature rich force testing software - force vs. distance analysis.

** Links data received at PC port to operational software, e.g., Excel, etc.

Prices and specifications are subject to change without notice.

www.wagnerinstruments.com

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