

- CAPACITIES: .12 TO 500 LBF
- BG - FULL FEATURE MODEL
- EG - ECONOMY MODEL
- TENSION & COMPRESSION
- SELECTABLE UNITS: LBF/KGF/N
- COMPUTER INTERFACES
- BG ACCURACY: ± 0.2% F.S.
- EG ACCURACY: ± 0.3% F.S.



The Mark 10 BG/EG Series offers two compact digital force gages with many features at a modest price. The rugged cast aluminum housing reverses for **hand-held or test stand use**. Push-button selection of tension and compression measurements in **pounds, kilograms and Newtons**. User programmable features include: **unit selection, operational modes and analog/digital filtering**.

While both gages share many of the same features, **the BG has additional capabilities including; RS232 interface, Mitutoyo output and programmable analog outputs, digital filtering, setpoints and external trigger modes**. The EG may be upgraded to include RS232, Mitutoyo and analog outputs for automated testing, data acquisition or process control.

NOTE: All features listed below are shared by both gages except for those in bold type which apply only to the BG Series.

CONSTRUCTION

- Compact, lightweight and rugged cast aluminum housing.
- Split housing permits upright display with shaft up or down.
- Full 4 1/2 digit 0.3" LCD - low battery, mode and units display.

OPERATION

- Peak force sampling rate: **BG - 65/sec.** EG - 30/sec.
- Peak hold memory retains maximum tension and compression readings.
- Selectable units: lbf, kgf or N.
- Programmable units selection, operational modes and calibration.
- **RS232, Mitutoyo, ±1 Vdc analog and setpoints on 9 pin connector.**
- **Bi-directional RS232 with baud rates to 9600 for external control.**
- **Mitutoyo output for use with Mitutoyo SPC printers.**
- **External trigger mode permits data capture upon receipt of external signal.**
- **Setpoint outputs for OVER, UNDER and IN-RANGE signaling.**

POWER REQUIREMENTS

- Rechargeable battery provides 10 -12 hours of operation with 18 hour charge.
- Display warns of low battery: selectable auto shut-off conserves battery life.

ACCESSORIES

- **Model BG includes: AC adapter/charger, six attachments, case and manual.**
- Model EG includes: AC adapter/charger, hook, flat tip, carrying case and manual.
- Optional: Output option for EG, GO/NO GO indicator, cables, handles and mounting kits. Optional gripping fixtures and implements are also available.

ACCURACY

- **Model BG: ± 0.2% F.S. ± 1 LSD.** Model EG: ±0.3% F.S. ±1 LSD.
- **NIST Calibration Certificate is supplied with BG** and available upon request for EG.

WEIGHT & DIMENSIONS: Gage-1 lb. Shipping weight-3 lb. Dimensions: 6" x 2 1/2" x 1 1/2".

Model BG - Full Feature Gage

MODEL	CAPACITY/GRADUATION				PRICE
BG 012	0.12 lbf x 0.00005 lbf	50 gf x	0.02 gf	0.5 N x 0.0002 N	\$1145.00
BG 025	0.25 lbf x 0.0001 lbf	100 gf x	0.05 gf	1 N x 0.0005 N	1145.00
BG 05	0.5 lbf x 0.0002 lbf	250 gf x	0.1 gf	2.5 N x 0.001 N	1145.00
BG 2	2 lbf x 0.001 lbf	1 kgf x	0.0005 kgf	10 N x 0.005 N	995.00
BG 10	10 lbf x 0.005 lb	5 kgf x	0.002 kgf	50 N x 0.02 N	995.00
BG 20	20 lbf x .01 lbf	10 kgf x	0.005 kgf	100 N x 0.05 N	995.00
BG 50	50 lbf x 0.02 lbf	25 kgf x	0.01 kgf	250 N x 0.1 N	995.00
BG 100	100 lbf x 0.05 lbf	50 kgf x	0.02 kgf	500 N x 0.2 N	995.00
BG 200	200 lbf x 0.1 lbf	100 kgf x	0.05 kgf	1000 N x 0.5 N	1145.00
BG 500	500 lbf x 0.2 lbf	250 kgf x	0.1 kgf	2500 N x 1 N	1145.00
EG 012	0.12 lbf x 0.0001 lbf	50 gf x	0.05 gf	0.5 N x 0.0005 N	795.00
EG 025	0.25 lbf x 0.0002 lbf	100 gf x	0.1 gf	1 N x 0.001 N	795.00
EG 05	0.5 lbf x 0.0005 lbf	250 gf x	0.2 gf	2.5 N x 0.002 N	795.00
EG 2	2 lbf x 0.002 lbf	1 kgf x	0.001 kgf	10 N x 0.01 N	695.00
EG 10	10 lbf x 0.01 lbf	5 kgf x	0.005 kgf	50 N x 0.05 N	695.00
EG 20	20 lbf x 0.02 lbf	10 kgf x	0.01 kgf	100 N x 0.1 N	695.00
EG 50	50 lbf x 0.05 lbf	25 kgf x	0.02 kgf	250 N x 0.2 N	695.00
EG 100	100 lbf x 0.1 lbf	50 kgf x	0.05 kgf	500 N x 0.5 N	695.00
EG 200	200 lbf x 0.2 lbf	100 kgf x	0.1 kgf	1000 N x 1 N	795.00
EG 500	500 lbf x 0.5 lbf	250 kgf x	0.2 kgf	2500 N x 2 N	795.00

NOTE: Options listed in bold apply to the Model BG and the Model EG with optional EGRS only.

ACCESSORIES		
11-1022	GO/NO-GO Indicators	\$90.00
EGRS	Output Option for Model EG	150.00
FT/MK	Mounting Kit for Wagner Testers	35.00
AC 1002	Handles	90.00

INTERFACE CABLES		
09-1047	BG to Mitutoyo (10 pin)	60.00
09-1048	BG to IBM (9 or 25 pin)	60.00
09-1049	BG to X-Y Chart Recorder	75.00

Refer to accessory section in this catalog for a full selection of optional hardware.

Prices and specifications are subject to change without notice.

www.wagnerinstruments.com



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