

Basic Force Gauge

The Basic Force Gauge (BFG) is designed for easy operation and provides outstanding tension and compression measurement performance and reliability at an affordable price.

Constructed in a rigid yet lightweight aluminum housing, with its ergonomically attractive shape, the BFG can be used as a hand-held instrument or, alternatively, can be mounted to manual or motorized test stands to allow testing under more controlled conditions.



BFG Specification Table

Model	Part No.	mN	N	kN	gf	kgf	ozf	lbf
BFG 10	853-410	10000 x 2	10 x 0.002	-	1000 x 0.2	1 x 0.0002	35 x 0.01	2.2 x 0.0005
BFG 50	853-411	50000 x 10	50 x 0.01	-	5000 x 1	5 x 0.001	180 x 0.05	11 x 0.002
BFG 200	853-412	-	200 x 0.05	-	20000 x 5	20 x 0.005	720 x 0.2	44 x 0.01
BFG 500	853-413	-	500 x 0.1	-	50000 x 10	50 x 0.01	1,800 x 0.5	110 x 0.02
BFG 1000	853-414	-	1000 x 0.2	1 x 0.0002	-	100 x 0.02	3,500 x 1	220 x 0.05
BFG 2500	853-417	-	2500 x 0.5	2.5 x 0.0005	-	250 x 0.05	9,000 x 2	550 x 0.1

• Accuracy $\pm 0.25\%$ of full scale • Operating temperature 50°F - 95°F

Key Features

- 6 models - from 2.2 lbf to 550 lbf (10 N to 2500 N)
- Full unit conversion of displayed value
- Powered by 4 nickel metal hydride rechargeable batteries
- M5 mounting holes (57 mm pitch) for test stand fixing
- Wide range of grips and fixtures

easy-to-use
ergonomic
robust

All models carry CE marking and are supplied in a robust carrying case with standard accessories and a calibration certificate traceable to industry standards.



BFG (sold separately) shown mounted to the MDD manual test stand



Top-load test



BFG with accessories



Assembled in the USA

Mecmesin reserves the right to alter equipment specifications without prior notice

North America

Mecmesin Corporation

45921 Maries Road, Suite 120,
Sterling, Virginia 20166, U.S.A

e: info@mecmesincorp.com
t: 703 433 9247 f: 703 444 9860

www.mecmesincorp.com

datasheet ref: 431-406-01-L01