

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 aluminium housing, with its ergonomically attractive shape, the BFG can be used as a hand-held instrument, or alternatively it can be mounted to manual or motorised 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	10,000 x 2	10 x 0.002	-	1,000 x 0.2	1 x 0.0002	35 x 0.01	2.2 x 0.0005
BFG 50	853 - 411	50,000 x 10	50 x 0.01	-	5,000 x 1	5 x 0.001	180 x 0.05	11 x 0.002
BFG 200	853 - 412	-	200 x 0.05	-	20,000 x 5	20 x 0.005	720 x 0.2	44 x 0.01
BFG 500	853 - 413	-	500 x 0.1	-	50,000 x 10	50 x 0.01	1,800 x 0.5	110 x 0.02
BFG 1000	853 - 414	-	1,000 x 0.2	1 x 0.0002	-	100 x 0.02	3,500 x 1	220 x 0.05
BFG 2500	853 - 417	-	2,500 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
- Calibration temperature $20^{\circ}\text{C} \pm 2^{\circ}\text{C}$
- Operating temperature $10^{\circ}\text{C} - 35^{\circ}\text{C}$

easy-to-use
robust
ergonomic

KEY FEATURES:

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



BFG shown mounted to the MDD manual test stand

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



Top-load test



BFG with accessories