

Basic Force Gauge

“Live” and “Peak Hold” display with data-output in metal housing

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

Supplied as standard with calibration certificate traceable to national standards.

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 - Capacity & Resolution (e.g. 200 N x 0.05 N)

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	1800 x 0.5	110 x 0.02
BFG 1000	853-414	-	1000 x 0.2	1 x 0.0002	-	100 x 0.02	3500 x 1	220 x 0.05
BFG 2500	853-417	-	2500 x 0.5	2.5 x 0.0005	-	250 x 0.05	9000 x 2	550 x 0.1

- Accuracy $\pm 0.25\%$ of full scale
- Full scale deflection of loadcell typically 0.5 mm
- Operating temperature 10°C - 35°C

Key Features

- Accuracy $\pm 0.25\%$ of full range
- 6 capacities - from 10 N up to 2500 N
- Peak capture - in tension and compression
- Wide range of grips and fixtures

easy-to-use
ergonomic
robust



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.

See page 14 for details of accessories supplied.



BFG with accessories shown in carry case