

Basic Force Gauge (Model BFG) Specifications

BFG Capacities and Resolution

Model No:	mN	N	kN	gf	kgf	ozf*	lbf*
BFG 10N	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 50N	50000 x 10	50 x 0.01	-	5000 x 1	5 x 0.001	180 x 0.05	11 x 0.002
BFG 200N	-	200 x 0.05	-	20000 x 5	20 x 0.005	720 x 0.2	44 x 0.01
BFG 500N	-	500 x 0.1	-	50000 x 10	50 x 0.01	1800 x 0.5	110 x 0.02
BFG 1000N	-	1000 x 0.2	1 x 0.0002	-	100 x 0.02	3500 x 1	220 x 0.05
BFG 2500N	-	2500 x 0.5	2.5 x 0.0005	-	250 x 0.05	-	550 x 0.1

Specifications

Accuracy: +/- 0.25% of full scale

Resolution: 1 part in 5000

Sampling Rate: 2000 Hz

Peak Capture Rate: 10 Hz

Display Update Rate: 10 Hz

Tare Capacity: 10% of capacity

Output(s): RS-232, Digimatic (Mitotoyo), and 1 VDC to 4 VDC analog

Operating Temperature Range: 50°F – 95° F
(10°C to 35°C)

Mechanical Overload Protection: 150% of capacity

Overload Warning: Audio visual warning at 120% of capacity.

Display: Dot graphic LCD display offers unique display modes and exceptional text prompts. Supports simultaneous display of live and peak readings. Display may be inverted 180° for improved readability during hand-held use.

Backlight: Standard

Auto-off: 2 minute timer. May be disabled.

Power Source: (5) Nickel Metal Hydride rechargeables (supplied), AC Adapter (supplied), or alkaline batteries (not supplied)

Battery Life: 20 Hours between charges with supplied Nickel Metal Hydride rechargeables. Typical operation with backlight off.

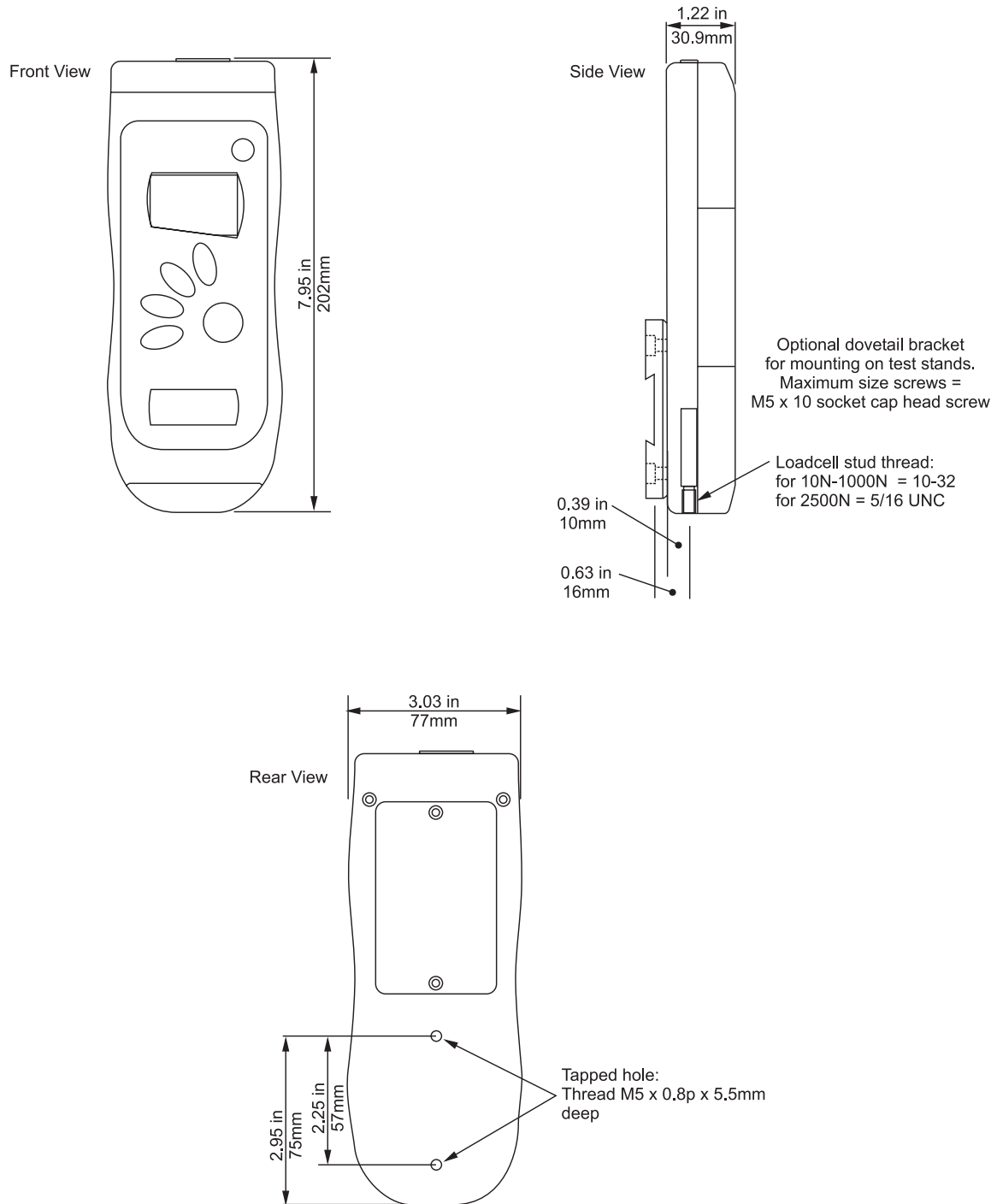
Instrument Weight: 1lb 4 oz (580 grams)

Included:

- Carrying case
- 5 AAA Nickel metal hydride rechargeable batteries
- AC charger/power supply
- (2) M5 screws for mounting to test stand bracket
- Swivel adapter (capacities 10N and higher)
- 1.2 inch extension rod
- 5 inch extension rod
- 1 inch diameter compression platen
- Hook (small up to 50N, medium 200N-1000N and large 2500N)
- User's manual and calibration certificate.

Warranty: 2 years

Dimensions



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