



CFG The Compact Force Gauge

The CFG is a pocket-sized, lightweight force gauge designed for elementary tension and compression measurement.

Housed in a plastic case and powered by disposable AA batteries, the CFG is available in either 50N, 200N or 500N capacity. Measurements can be made in N, lbf, ozf, kgf, and gf with a resolution of 1:1000 or better. The CFG has an accuracy of $\pm 0.5\%$ of full scale with peak force data being captured at 10Hz in both tension and compression.

The CFG provides a simple digital alternative to traditional analogue spring balances and is ideal for users with a limited budget, who only measure on an occasional basis for non-critical applications.



Key features

- Low cost
- 10-32UNF loadcell stud thread
- Data sampling rate 10Hz
- Accuracy $\pm 0.5\%$ of full scale
- Declaration of conformity as standard (Calibration Certificate available on request)
- Peak hold

* loadcell stud 10-32 UNF male

CFG Specification Table

Model No.	Part No.	N	kgf	lbf
CFG 50	860 - 002	50 x 0.05	5 x 0.005	11 x 0.01
CFG 200	860 - 001	200 x 0.2	20 x 0.02	44 x 0.05
CFG 500	860 - 003	500 x 0.5	50 x 0.05	110 x 0.1

- Accuracy $\pm 0.5\%$ of full scale

Note: The following units are available on the majority of CFG models. Those that differ are marked by an asterisk with details given below;

kN*, N, mN, kgf, gf**, lbf, ozf

* Not available on the CFG 50N

**Not available on the CFG 200N or 500N



CFG Testing fire extinguisher



CFG with standard accessories (see page 13 for accessories included)

Accessories

Each Mecmesin gauge comes with a set of standard accessories to help perform basic tension or compression tests.

Choose from a wide selection of standard grips and fixtures to hold your test samples. Alternatively make use of our experienced team of engineers to provide a customised grip to solve your particular problem.

A collection of accessories exclusive to Mecmesin is available. See our Accessories Catalogue for an extensive range of grips and fixtures, to enable you to complete thousands of different tests.

- A 6mm \varnothing - 5/16 UNC thread (432-122)
- B 6mm \varnothing - 10-32 UNF (F) (432-120)
- C 3.2mm \varnothing - 10-32 UNF (F) (432-118)
- D 19mm \varnothing - 10-32 UNF (F) (432-121)
- E 19mm \varnothing - 5/16 UNC (F) (432-125)
- F 30mm long - 5/16 UNC (F-M) (432-008)
- G 30mm long - 10-32 UNF (F) to 10-32 UNF (M) (432-006)
- H 30mm long - 10-32 UNF (F) to M6 (M) (432-007)
- I Mains adaptor/charger (304-004) - 220V 2-pin round
 (304-005) - 220V 3-pin square
 (304-006) - 110V 2-pin flat

* Part numbers shown in brackets

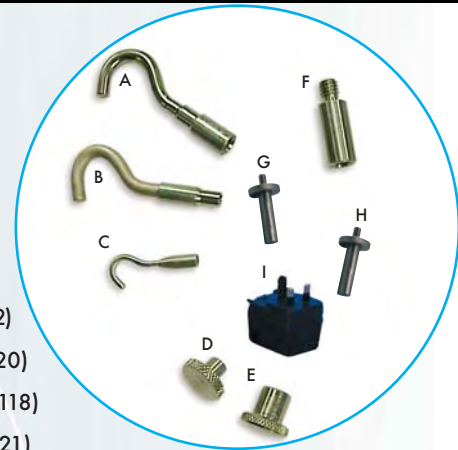


Table of standard accessories delivered with each gauge:

Model	A	B	C	D	E	F	G	H	I
AFG 2.5, 5, 10, 25, 50, 100, 250N			•	•			•	•	•
AFG 500N		•		•			•	•	•
AFG 1000 & 2500N	•				•	•			•
BFG 10, 50, 200N			•	•			•	•	•
BFG 500N		•		•			•	•	•
BFG 1000 & 2500N	•				•	•			•
CFG 50N			•	•			•	•	
CFG 200N			•	•			•	•	
CFG 500N		•		•			•	•	

Service Repair and Calibration

Mecmesin, the UK leading supplier of force and torque measurement equipment, believes that all customers deserve the highest level of on-going service and support. As we recognise the value of a quick and efficient service we have set up an on-site calibration service to complement our comprehensive existing in-house capability. Our qualified engineers will come to you to carry out the calibration procedure. The service is managed from our head office situated in Slinfold, West Sussex where, whichever the preferred option on or off site calibration, we guarantee a prompt and cost-effective service.

Test Stands

To ensure repeatable testing under controlled conditions, mount your Mecmesin gauge to a motorised or manual test stand.

Software Systems

From a simple mini-printer to full computer-controlled testing systems, Mecmesin can offer you a complete solution. Call our sales department to arrange a demonstration at your facility.



AFG mounted on MultiTest 1 stand



MultiTest-i computer-controlled testing system