

Mecmesin

testing to perfection

Digital Force & Torque Gauges



Compact Force Gauge⁺

“Peak Hold” display in ABS plastic housing

The Compact Force Gauge⁺ (CFG⁺) is a pocket-sized, lightweight force gauge designed for elementary tension and compression measurement. Powered by disposable AA batteries, the CFG⁺ is delivered with a Declaration of Conformity as standard. A Calibration Certificate can be ordered separately.

Peak readings captured at 500 Hz with an accuracy of $\pm 0.5\%$ of full scale

low cost
peak hold
portable

Measurements made in N, lbf, ozf, kgf and gf with a resolution of 1:1000

Housed in a lightweight plastic case

Loadcell stud 10-32 UNF male

RS232 output for easy data transmission

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

CFG⁺ Specification Table

Model	Part No.	N	kgf	lbf
CFG ⁺ 50	860-021	50 x 0.05	5 x 0.005	11 x 0.01
CFG ⁺ 200	860-022	200 x 0.2	20 x 0.02	44 x 0.05
CFG ⁺ 500	860-023	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⁺ 50 N

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

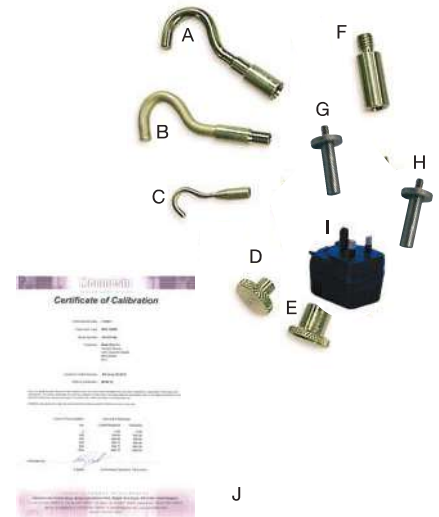


Hand-held drawer testing

Accessories

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

A wide selection of accessories exclusive to Mecmesin are available. See our Accessory Catalogue for an extensive range of grips and fixtures, to enable you to complete thousands of different tests. Alternatively make use of our experienced team of engineers to provide a customised grip to solve your particular problem.



- A** 6 mm Ø - 5/16 UNC thread (432-122)
- B** 6 mm Ø - 10-32 UNF (F) (432-120)
- C** 3.2 mm Ø - 10-32 UNF (F) (432-118)
- D** 19 mm Ø - 10-32 UNF (F) (432-121)
- E** 19 mm Ø - 5/16 UNC (F) (432-125)

- F** 30 mm long - 5/16 UNC (F-M) (432-008)
- G** 30 mm - 10-32 UNF (F) to 10-32 UNF (M) (432-006)
- H** 30 mm - 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
- J** Calibration certificate traceable to national standards

* Part numbers shown in brackets

Table of standard accessories delivered with each gauge:

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

Service & Calibration

Mecmesin ensures all customers receive a high level of on-going service and support. This includes offering a prompt and cost-effective calibration service. Though calibrations can be completed in our comprehensive in-house facility, customers also have the option of our on-site calibration service.



Mecmesin - a world leader in affordable force and torque testing solutions

Since 1977, Mecmesin has assisted thousands of companies achieve enhanced quality control in design and production. The Mecmesin brand represents excellence in accuracy, build, service, and value. In production centres and research labs worldwide, designers, engineers, operators, and quality managers endorse Mecmesin force and torque testing systems for their high performance across countless applications.

www.mecmesin.com



Algeria	Hungary	Philippines
Argentina	India	Poland
Australia	Indonesia	Portugal
Austria	Iran	Romania
Bangladesh	Ireland	Russia
Belgium	Israel	Saudi Arabia
Brazil	Italy	Serbia
Bulgaria	Japan	Singapore
Cambodia	Korea	Slovakia
Canada	Kosovo	Slovenia
Chile	Laos	South Africa
China	Latvia	Spain
Colombia	Lebanon	Sri Lanka
Costa Rica	Lithuania	Sweden
Croatia	Macedonia	Switzerland
Czech Republic	Malaysia	Syria
Denmark	Mexico	Taiwan
Ecuador	Morocco	Thailand
Egypt	Myanmar	Tunisia
Estonia	Netherlands	Turkey
Finland	New Zealand	UK
France	Norway	Uruguay
Germany	Paraguay	USA
Greece	Peru	Vietnam

The Mecmesin global distribution network guarantees your testing solution is rapidly delivered and efficiently serviced, wherever you are.



FS 58553

Mecmesin reserves the right to alter equipment specifications without prior notice. E&OE

DISTRIBUTOR STAMP

Head Office
Mecmesin Limited

w: www.mecmesin.com
e: sales@mecmesin.com

North America
Mecmesin Corporation

w: www.mecmesincorp.com
e: info@mecmesincorp.com

France
Mecmesin France

w: www.mecmesin.fr
e: contact@mecmesin.fr

Asia
Mecmesin Asia Co., Ltd

w: www.mecmesinasia.com
e: sales@mecmesinasia.com

Germany
Mecmesin GmbH

w: www.mecmesin.de
e: info@mecmesin.de

China
Mecmesin (Shanghai) Pte Ltd

w: www.mecmesin.cn
e: sales@mecmesin.cn