www.acrn.fr

ACRN

Quality Control Machine

Industry & Packaging

BFG ELEMENTAL DIGITAL FORCE GAUGE

A DYNAMOMETER MULTIFUNCTIONAL, ERGONOMIC AND AFFORDABLE

BFG
ELEMENTAL DIGITAL FORCE GAUGE

A DYNAMOMETER MULTIFUNCTIONAL, ERGONOMIC AND AFFORDABLE

ACRN
Quality Control Machine
Industry & Packaging

FUNCTION

The BFG is a **multifunctional,** ergonomic and affordable force gauge as a traction/compression force measurement sensor.

STRENGTHS OF BFG:

• A high capacity

With capacities ranging from 10 to 2 500 N, it can be mounted on a test bench or used as a portable device. It is robust and precise up to +/- 0.25 % of full-scale.

• Easy to use

With a digital screen and a well-positioned multitouch menu, it is very easy to use even for unskilled operators.

TECHNICAL INFORMATION

Capacity	From 10 to 2 500 N
Accuracy	± 0,25 % of full-scale
Measurement units	mN, N, kN, gf, kgf, ozf, lbf
Sampling rate	1000 Hz
Dimensions (Width*Height*Depth)	70 x 201 x 32 mm
Weight	650 g
Overload rating	150 % of full-scale. Audible alarm
Thread for accessories	From 2,5 to 500 N: Male type 10-32 From 1 000 to 2 500 N: Male type 5/16
Output data	RS232, digimatic, analogue
Screen	LCD with reversible display

FEATURE DETAILS

Overload warning with bar graph to minimize accidental sensor damage
Reading the maximum load during the test
Data transfer via RS232, digimatic or ana-log - data output to a PC or printer for later analysis
Connexion to a PC
Ergonomic mounting on traction/ compression bench
Data processing in graphical form with Vector Pro Lite and reports generated in PDF or in Excel format

ACRN - Parc d'activités du Moulin d'Ecalles - 76750 BUCHY - France
Tél. : +33 (0)2 32 80 81 40 - Fax : +33 (0)2 32 80 14 44 - www.acrn.fr - commercial@acrn.fr

ACRN
Quality Control Machine
Industry & Packaging

MODELS, CAPACITIES X RESOLUTION

Model	N	kgf	ozf	lbf
10	10 x 0.002	1 x 0.0002	35 x 0.01	2.2 x 0.0005
50	50 x 0.01	5 x 0.001	180 x 0.05	11 x 0.002
200	200 x 0.05	20 x 0.005	720 x 0.2	44 x 0.01
500	500 x 0.1	50 x 0.01	1800 x 0.5	110 x 0.02
1000	1000 x 0.2	100 x 0.02	3500 x 1	220 x 0.05
2500	2500 x 0.5	250 x 0.05	9000 x 2	550 x 0.1

OPTIONS

Many traction / compression accessories (see catalog)
Vector Pro Lite software for data processing / acquisition (1 license)
BFG cable to Mitutoyo port
BFG cable toRS232
BFG cable to USB
BFG cable to analog port
DataXport software to export data to Excel

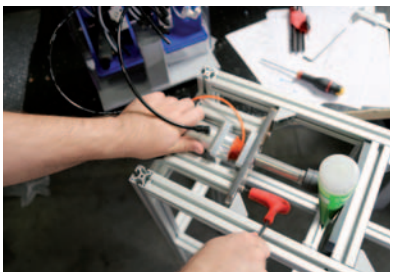
DELIVERED WITH:

- **Transport suitcase**
- **1 Test hook male M6**
- **1 Compression plate female M6**
- **Adaptor M6 10/32 UNF female to female**
- **Charger UE 220V**
- **4 piles type AAA**
- **Certificate of calibration connected COFRAC**
- **User manual**

ACRN - Parc d'activités du Moulin d'Ecalles - 76750 BUCHY - France
Tél. : +33 (0)2 32 80 81 40 - Fax : +33 (0)2 32 80 14 44 - www.acrn.fr - commercial@acrn.fr

ACRN
Quality Control Machine
Industry & Packaging

ACRN A GLOBAL OFFER
for your packaging quality controls



Calibration and annual maintenance
ACRN is equipped with a metrology laboratory.

Setting up tests, choice of materials, state of the art, work on repeatability
we can advise you according to your needs (technology, budget, ergonomics).

Leak testing and dynamometric testing
Our skills and equipments for leak testing and dynamometric testing for packaging

Major manufacturers have trusted us for many years

L'ORÉAL PARIS · SANOFI · DANONE · Nestlé · Pierre Fabre · General Mills Making Food People Love · CHANEL

ACRN - Parc d'activités du Moulin d'Ecalles - 76750 BUCHY - France
Tél. : +33 (0)2 32 80 81 40 - Fax : +33 (0)2 32 80 14 44 - www.acrn.fr - commercial@acrn.fr