

AFG ADVANCED DIGITAL FORCE GAUGE



**THE MULTIFUNCTIONAL
MODEL**

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THE MULTIFUNCTIONAL MODEL

FUNCTION

The AFG is a **multifunctional, ergonomic and affordable dynamometer** as a tensile/compressive force measurement sensor.

AFG'S ASSETS:

The AFG is the most versatile, fully featured digital instrument on the market.

With models from 2.5 to 2 500 N, it is ideal for mounting to a test stand or use as a hand-held device. It is robust and accurate at 0.1% of full scale.

All its useful features will allow you to set up traction and compression controls adapted to your needs.

TECHNICAL INFORMATION

Capacities	From 2,5 to 2 500 N
Accuracy	± 0,1 % of the full-scale
Measurement units	mN, N, kN, gf, kgf, ozf, lbf
Internal Sampling rate	5000 Hz
Dimensions (Width*Height *Depth)	70 x 201 x 32 mm
Weight	650 g
Overload rating	150 % of the 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

Max and 1 st Pic mode - identify critical load points from the test
High data acquisition accurately captures breaking force readings
Audible and visual compliance alarms - immediately alert operators during testing
Overload warning with bar graph - to minimize accidental sensor damage
Integrated storage for up to 500 readings - test quickly now and download results later
Data transfer via RS232, digimatic or analog - data output to a PC or printer for later analysis
Connection of force and external torque sensors possible - becomes a versatile display for many different applications



MODELS, CAPACITIES X RESOLUTION

Model	N	kgf	ozf	lbf
AFG 2.5	2.5 x 0.0005	-	9 x 0.002	0.55 x 0.0001
AFG 5	5 x 0.001	0.5 x 0.0001	18 x 0.005	1.1 x 0.0002
AFG 10	10 x 0.002	1 x 0.0002	35 x 0.01	2.2 x 0.0005
AFG 25	25 x 0.005	2.5 x 0.0005	90 x 0.02	5.5 x 0.001
AFG 50	50 x 0.01	5 x 0.001	180 x 0.05	11 x 0.002
AFG 100	100 x 0.02	10 x 0.002	350 x 0.1	22 x 0.005
AFG 250	250 x 0.05	25 x 0.005	900 x 0.2	55 x 0.01
AFG 500	500 x 0.1	50 x 0.01	1800 x 0.5	110 x 0.02
AFG 1000	1000 x 0.2	100 x 0.02	3500 x 1	220 x 0.05
AFG 2500	2500 x 0.5	250 x 0.05	9000 x 2	550 x 0.1

OPTIONS

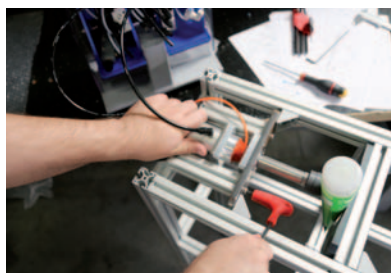
Many traction / compression accessories (see catalog)
Vector Pro Lite software for data processing acquisition (1 license)
AFG cable to Mitutoyo port
AFG cable to RS232
AFG cable to USB
AFG to analog port
DataXport software to export data to Excel

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
- 5 accus type AAA
- Certificate of calibration linked COFRAC
- User manual



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

