

## 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

<b>Capacities</b>	From 2,5 to 2 500 N
<b>Accuracy</b>	± 0,1 % of the full-scale
<b>Measurement units</b>	mN, N, kN, gf, kgf, ozf, lbf
<b>Internal Sampling rate</b>	5000 Hz
<b>Dimensions (Width*Height *Depth)</b>	70 x 201 x 32 mm
<b>Weight</b>	650 g
<b>Overload rating</b>	150 % of the full-scale. Audible alarm
<b>Thread for accessories</b>	From 2,5 to 500 N: Male type 10-32 From 1 000 to 2 500 N: Male type 5/16
<b>Output data</b>	RS232, digimatic, analogue
<b>Screen</b>	LCD with reversible display



### FEATURE DETAILS

Max and 1 <sup>st</sup> 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
<b>AFG 2.5</b>	2.5 x 0.0005	-	9 x 0.002	0.55 x 0.0001
<b>AFG 5</b>	5 x 0.001	0.5 x 0.0001	18 x 0.005	1.1 x 0.0002
<b>AFG 10</b>	10 x 0.002	1 x 0.0002	35 x 0.01	2.2 x 0.0005
<b>AFG 25</b>	25 x 0.005	2.5 x 0.0005	90 x 0.02	5.5 x 0.001
<b>AFG 50</b>	50 x 0.01	5 x 0.001	180 x 0.05	11 x 0.002
<b>AFG 100</b>	100 x 0.02	10 x 0.002	350 x 0.1	22 x 0.005
<b>AFG 250</b>	250 x 0.05	25 x 0.005	900 x 0.2	55 x 0.01
<b>AFG 500</b>	500 x 0.1	50 x 0.01	1800 x 0.5	110 x 0.02
<b>AFG 1000</b>	1000 x 0.2	100 x 0.02	3500 x 1	220 x 0.05
<b>AFG 2500</b>	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:

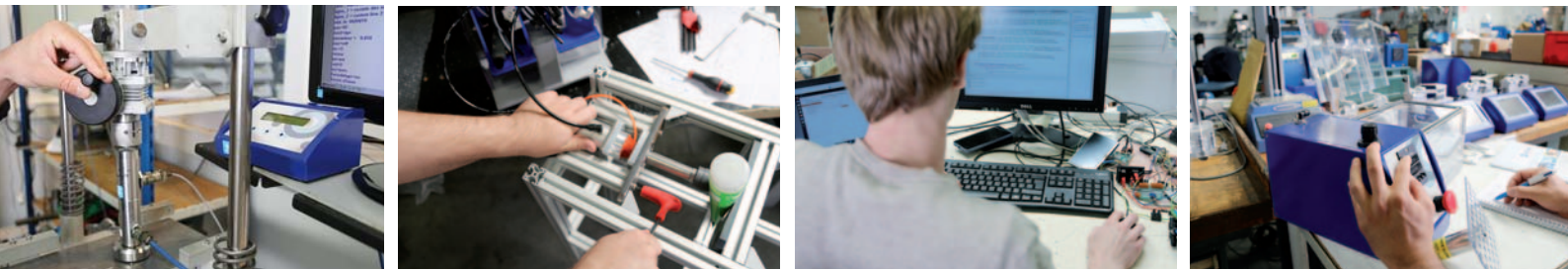
- Transport suitcase
- 1 Test hook male M6
- 1 Compression plate female M6
- Adaptor M6 10/32 UNF female to female
- Charger UE 220V
- 5 accus type AAA
- Certificate of calibration linked COFRAC
- User manual



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## 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

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*Major manufacturers have trusted us for many years*

