

# ECONOMICAL DIGITAL FORCE GAUGES

## WITH 0.5% FULL SCALE ACCURACY



### DFG21 Series

All Models  
**£422**



- ✓ User Selectable Units of Measure
- ✓ Accuracy  $\pm 0.5\%$  of Full Scale
- ✓ Selectable Display Languages
- ✓ Battery Operated with Automatic Shutoff
- ✓ Universal Battery Eliminator Included

OMEGAs DFG21 Series is an economical digital force gauge ideal for applications where users are interested in basic peak force measurement. It is available in four capacities (5, 25, 50, and 100 kgf) and features a measurement accuracy of better than 0.5% full scale. The DFG21 operates using two 9 Vdc alkaline batteries or using the universal battery eliminator. A large, easy-to-read, high resolution dot matrix LCD supports a variety of standard gauge functions including normal and peak readings. Loads are displayed in ozf, gf, lbf, kgf and Newtons and the display language may be set-up to indicate in English, Spanish, French, German, Portuguese and Chinese.

#### SPECIFICATIONS

**Accuracy:**  $\pm 0.5\%$  FS (calibration certificate included)

**Display:** High resolution, dot matrix LCD, 8 lines, 21 characters

**Data Sampling Rate:** 1000 Hz

**Peak Capture Rate:** 1000 Hz

**Display Update Rate:** 4 Hz

**Storage Temperature:** -17 to 54°C

**Operating Temperature:** 4 to 43°C

#### Temperature Effects:

<0.05% FS per °C (0.03% per °F)

**Relative Humidity:** 20 to 80%

**Overload Protection:** 150% FS

**Full Scale Deflection:** 0.010  $\pm$  0.004"

**Tare Capacity:** 110% FS

**Power:** Two 9 Vdc alkaline batteries or battery eliminator (both included)

**Battery Life:** Approximately 120 hours continuous use

**Dimensions:** 173 H x 73 W x 41 mm D (6.8 x 2.9 x 1.6")

**Weight:** 0.7 kg (1.5 lb)



DFG21-50, £422, shown smaller than actual size.



Comes complete with hard carrying case, two 9 Vdc batteries, universal battery eliminator, hook, flat tip, calibration certificate, and operator's manual.

**MOST POPULAR MODELS HIGHLIGHTED!**

To Order (Specify Model Number)		RANGE VS. RESOLUTION				
MODEL NO.	PRICE	oz	g	lb	kg	Newton
DFG21-10	£422	160 x 0.2	5000 x 5	10 x 0.01	5 x 0.005	50 x 0.005
DFG21-50	422	800 x 1	25,000 x 20	50 x 0.05	25 x 0.02	250 x 0.2
DFG21-100	422	1600 x 2	50,000 x 50	100 x 0.1	50 x 0.05	500 x 0.5
DFG21-200	422	-	-	200 x 0.2	100 x 0.1	1000 x 1

Comes complete with a hard carrying case, two 9 Vdc batteries, universal battery eliminator, hook, flat tip, calibration certificate, and operator's manual.

**Ordering Examples:** DFG21-10, 5 kgf digital force gauge, £422.

DFG21-200, 100 kgf digital force gauge, £422.



#### UNITED STATES

[www.omega.com](http://www.omega.com)

1-800-TC-OMEGA

Stamford, CT.

#### CANADA

[www.omega.ca](http://www.omega.ca)

Laval(Quebec)

1-800-TC-OMEGA

#### GERMANY

[www.omega.de](http://www.omega.de)

Deckenpfronn, Germany

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#### UNITED KINGDOM

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#### FRANCE

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#### CZECH REPUBLIC

[www.omegaeng.cz](http://www.omegaeng.cz)

Karviná, Czech Republic

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#### BENELUX

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### • Flow and Level

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### • Heaters

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