



ECONOMICAL DIGITAL FORCE GAGES

WITH 0.5% FULL SCALE ACCURACY

DISCONTINUED

DFG21 Series



- ✓ User Selectable Units of Measure
- ✓ Accuracy $\pm 0.5\%$ of Full Scale
- ✓ NIST Calibration Certificate Included
- ✓ Selectable Display Languages
- ✓ Battery Operated with Automatic Shutoff
- ✓ 115/230 Vac Adaptor with US/EUR/UK Plugs Included

OMEGAs DFG21 Series is an economical digital force gage ideal for applications where users are interested in basic peak force measurement. It is available in four capacities (10, 50, 100, and 200 lbf) 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 gage 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 (0 to 130°F)
Operating Temperature: 4 to 43°C (40 to 110°F)
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 115/230 Vac adaptor with US/EUR/UK plugs (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 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.

MODEL NO.	RANGE VS. RESOLUTION				
	oz	g	lb	kg	Newton
DFG21-10	160 x 0.2	5000 x 5	10 x 0.01	5 x 0.005	50 x 0.005
DFG21-50	800 x 1	25,000 x 20	50 x 0.05	25 x 0.02	250 x 0.2
DFG21-100	1600 x 2	50,000 x 50	100 x 0.1	50 x 0.05	500 x 0.5
DFG21-200	-	-	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, 10 lb digital force gage.
 DFG21-200, 200 lb digital force gage.

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