



ECONOMICAL DIGITAL FORCE GAGES

WITH 0.5% FULL SCALE ACCURACY

DFG21 Series

All Models
\$**630**



- ✓ 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, \$630, 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)

MODEL NO.	PRICE	RANGE VS. RESOLUTION				
		oz	g	lb	kg	Newton
DFG21-10	\$630	160 x 0.2	5000 x 5	10 x 0.01	5 x 0.005	50 x 0.005
DFG21-50	630	800 x 1	25,000 x 20	50 x 0.05	25 x 0.02	250 x 0.2
DFG21-100	630	1600 x 2	50,000 x 50	100 x 0.1	50 x 0.05	500 x 0.5
DFG21-200	630	—	—	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, \$630.
 DFG21-200, 200 lb digital force gage, \$630.



UNITED STATES

www.omega.com
1-800-TC-OMEGA
Stamford, CT.

CANADA

www.omega.ca
Laval(Quebec)
1-800-TC-OMEGA

GERMANY

www.omega.de
Deckenpfronn, Germany
0800-8266342

UNITED KINGDOM

www.omega.co.uk
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• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

• pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

• Data Acquisition

Auto-Dialers and Alarm Monitoring Systems, Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485 and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

• Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Strain Gages, Torque Transducers, Valves

• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters