

ECONOMICAL DIGITAL FORCE GAGES WITH 0.25% ACCURACY, ANALOG AND RS232 OUTPUTS



DFG31 Series

All Models
\$1045



- ✓ User Selectable Units of Measure
- ✓ Accuracy $\pm 0.25\%$ of Full Scale
- ✓ NIST Calibration Certificate Included
- ✓ Selectable Display Languages
- ✓ Advanced Operating Modes with Statistical Calculations
- ✓ Simple Operator Interface with Menu Prompts and Function Keys for Easy Use
- ✓ RS232 and ± 2 Vdc Analog Output Standard
- ✓ Rechargeable Nickel Metal Hydride Batteries or Direct AC Operation with Universal Adaptor

OMEGA's DFG31 Series is an easy-to-use digital force gage designed for economical applications without compromising functionality. It's available in 7 ranges from 2 to 500 lb force and features a measurement accuracy of better than 0.25% full scale. A large, easy-to-read, high resolution dot matrix LCD supports a variety of standard gage functions including normal and peak readings, high/low limits, setpoints, pass/fail results, statistical results, load cell actuation and direction. Loads are displayed in ozf, g, lbf, kgf and Newtons. The display can be inverted and displayed results may be "hidden" from the operator. RS232 and ± 2 Vdc analog outputs are standard.

SPECIFICATIONS

Accuracy: $\pm 0.25\%$ FS
Display: High resolution, dot matrix LCD, 8 lines, 40 characters with adjustable contrast
Data Sampling Rate: 5000 Hz
Peak Capture Rate: 5000 Hz
Display Update Rate: 10 Hz
Operating Temperature: 4 to 38°C (40 to 100°F)
Temperature Effects: $< 0.05\%$ FS per °C (0.03% per °F)
Relative Humidity: 20 to 80%
Overload Protection: 150% FS
Tare Capacity: 10% FS
Power: Rechargeable NiMH batteries or direct AC power using universal 115/230 Vac adaptor with US/EUR/UK plugs (batteries and adaptor included)
Battery Life: Approximately 30 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)



DFG31-200, \$1045, shown smaller than actual size.



Comes complete with hard carrying case, rechargeable 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	FORCE RANGE VS. RESOLUTION				
		oz	g	lb	kg	Newton
DFG31-2	\$1045	32 x 0.01	1000 x 1	2 x 0.001	1 x 0.001	10 x 0.01
DFG31-10	1045	160 x 0.1	5000 x 1	10 x 0.01	5 x 0.001	50 x 0.01
DFG31-25	1045	400 x 0.1	10000 x 10	25 x 0.01	10 x 0.01	100 x 0.1
DFG31-50	1045	800 x 0.1	25000 x 10	50 x 0.01	25 x 0.01	250 x 0.1
DFG31-100	1045	1600 x 1	50000 x 10	100 x 0.1	50 x 0.01	500 x 0.1
DFG31-200	1045	—	—	200 x 0.1	100 x 0.1	1000 x 1
DFG31-500	1045	—	—	500 x 0.1	250 x 0.1	2500 x 1
DFG-850-1	70	RS232 cable				

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

Ordering Examples: DFG31-10, 10 lb digital force gage, \$1045.

DFG31-200, 200 lb digital force gage, \$1045.



UNITED STATES

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

CANADA

www.omega.ca
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1-800-TC-OMEGA

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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