

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

DISCONTINUED

DFG31 Series



- ✓ 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, gf, 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% full scale
Tare Capacity: 10% full scale
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 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.

To Order

MODEL NO.	FORCE RANGE VS. RESOLUTION				
	oz	g	lb	kg	Newton
DFG31-2	32 x 0.01	1000 x 1	2 x 0.001	1 x 0.001	10 x 0.01
DFG31-10	160 x 0.1	5000 x 1	10 x 0.01	5 x 0.001	50 x 0.01
DFG31-25	400 x 0.1	10000 x 10	25 x 0.01	10 x 0.01	100 x 0.1
DFG31-50	800 x 0.1	25000 x 10	50 x 0.01	25 x 0.01	250 x 0.1
DFG31-100	1600 x 1	50000 x 10	100 x 0.1	50 x 0.01	500 x 0.1
DFG31-200	-	-	200 x 0.1	100 x 0.1	1000 x 1
DFG31-500	-	-	500 x 0.1	250 x 0.1	2500 x 1
DFG-850-1	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.

DFG31-200, 200 lb digital force gage.

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