

# ECONOMICAL DIGITAL FORCE GAUGES

## 0.3% FULL SCALE ACCURACY

### DFG35 Series



- ✓ High Speed 2000 Hz Sampling Rate
- ✓ Ultra-Compact Size
- ✓ 4 Selectable Units of Measure
- ✓ USB Data Output
- ✓ Programmable Setpoints with Pass/Fail Indicators
- ✓ Large Backlit Graphics Display
- ✓ Live Load Bar Graph with Set Point Markers
- ✓ Peak Readings and Set-Points Always Displayed
- ✓ Configurable Audio Alarms and Key Tones

OMEGA's DFG35 Series is an economical digital force gauge designed for tension and compression measurements in a variety of applications. They are available in ranges from 0.12 to 500 lbF (0.5 to 2500 N) and have a 2000 Hz sample rate.

A backlit graphic LCD displays large characters and a menu is available to access the gauges features and configurable parameters. Units have a USB output for data collection and setpoint indicators for pass-fail testing.

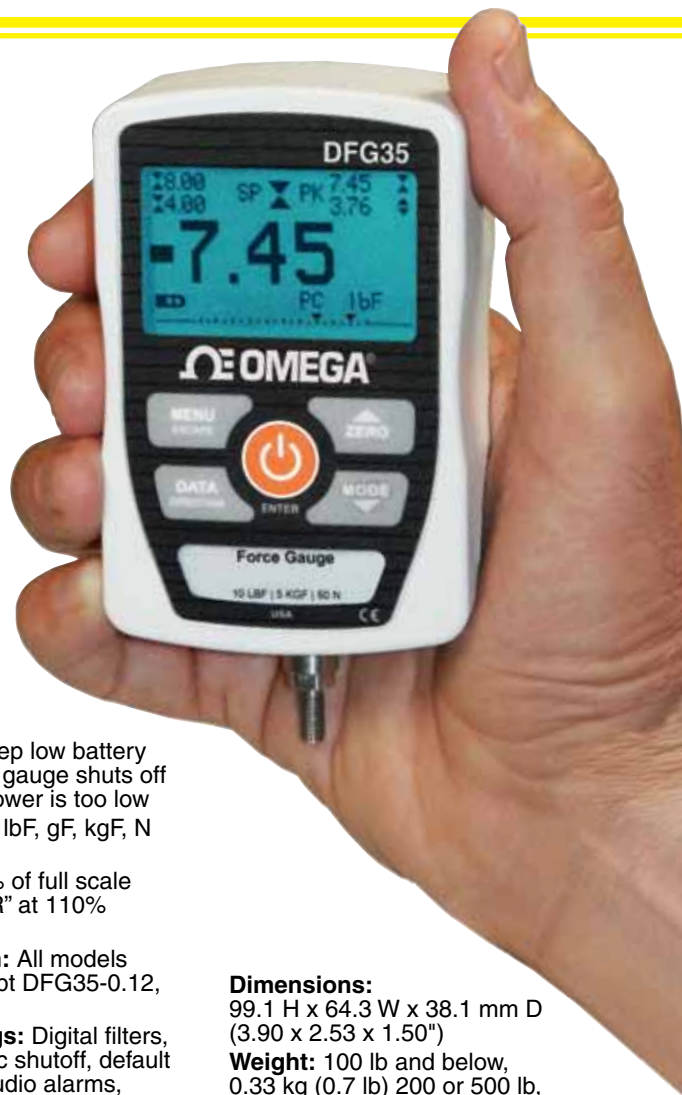
#### SPECIFICATIONS

**Accuracy:** 0.3% of full scale  $\pm$  1 digit

**Power:** Rechargeable battery or AC using adaptor (batteries and adaptor included)

**Battery Life:** Up to 7 hours continuous use with backlight on or 24 hours with backlight off

DFG35-10



**Low Battery:** Multi-step low battery indicator is displayed, gauge shuts off automatically when power is too low

**Measurement Units:** lbF, gF, kgF, N (depending on model)

**Safe Overload:** 150% of full scale (display shows "OVER" at 110% and above)

**Full Scale Deflection:** All models 0.25 mm (0.01") except DFG35-0.12, 0.13 mm (0.05")

**Configurable Settings:** Digital filters, USB output, automatic shutoff, default settings, key tones, audio alarms, calibration

**Dimensions:**

99.1 H x 64.3 W x 38.1 mm D (3.90 x 2.53 x 1.50")

**Weight:** 100 lb and below, 0.33 kg (0.7 lb) 200 or 500 lb, 0.41 kg (0.9 lb)

#### To Order

MODEL NO.	RANGE VS RESOLUTION			
	lbF	gF	kgF	N
DFG35-0.12	0.12 x 0.0001	50 x 0.05	—	0.5 x 0.0005
DFG35-0.25	0.25 x 0.0002	100 x 0.1	—	1 x 0.001
DFG35-0.5	0.5 x 0.0005	250 x 0.2	—	2.5 x 0.002
DFG35-2	2 x 0.002	—	1 x 0.001	10 x 0.01
DFG35-5	5 x 0.005	—	2.5 x 0.002	25 x 0.02
DFG35-10	10 x 0.01	—	5 x 0.005	50 x 0.05
DFG35-20	20 x 0.02	—	10 x 0.01	100 x 0.1
DFG35-50	50 x 0.05	—	25 x 0.02	250 x 0.2
DFG35-100	100 x 0.1	—	50 x 0.05	500 x 0.5
DFG35-200	200 x 0.2	—	100 0.1	1000 x 1
DFG35-500	500 x 0.5	—	250 x 0.2	2500 x 2

Comes complete with carrying case, AC adaptor with US plug, extension rod, cone, chisel, V-groove, flat, hook, USB cable and CD with USB drivers and operator's manual.

For AC adaptor with European plug add suffix "-E" to model number, UK style plug add "-U", no extra cost.

**Ordering Examples:** DFG35-20, 20 lb digital force gauge with US style plug. DFG35-100-U, 100 lb force gauge with UK style plug.