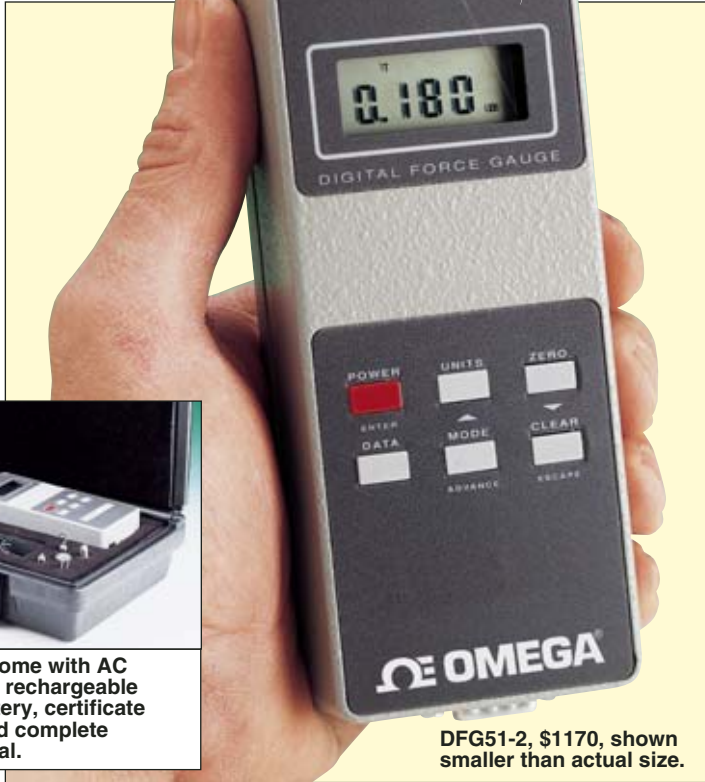


# MICROPROCESSOR-BASED DIGITAL FORCE GAGE

## RANGES FROM 0.25 TO 200 lb

### DFG51 Series

Starts at  
**\$1170**



DFG51-2, \$1170, shown smaller than actual size.



DFG51 models come with AC adaptor/charger, rechargeable Ni-Cad 7.2 V battery, certificate of calibration and complete operator's manual.

- ✓ Standard RS232, Analog, and Open Collector Outputs
- ✓ Peak Memory for Tensile and Compressive Loads
- ✓ Pushbutton-Selectable Engineering Units for lb, kg, or Newtons
- ✓ Programmable Analog and Digital Filtering
- ✓ External Trigger Mode for Slave Operation
- ✓ NIST Calibration Certificate Supplied

All DFG51 Series digital force gages come in a cushioned carrying case, complete with chisel point, V-groove cone, flat head, hook, and extension rod attachments. An AC adaptor/charger, rechargeable Ni-Cad 7.2 V battery, certificate of calibration, and complete operator's manual are also included.

A microprocessor-based digital force gage, the DPG51 is small, rugged, and lightweight, which makes it ideal for handheld force measurement. It has many features that make it useful in a variety of applications, from simple push-pull force measurement to component functions in sophisticated systems for process control or automated testing.

### SPECIFICATIONS

**Accuracy:**  $\pm 0.20\%$  FS,  $\pm 1$  LSC (least significant count)

**Display:** 4½ digit LCD with 0.3" high characters

**Sample Rate:** 65 samples per second

**Analog Output:**  $\pm 1$  Vdc

**Setpoint Outputs:** 3 open-collector outputs standard

**RS232:** Standard

**Operating Temp Range:** 5 to 45°C (40 to 110°F)

**Thermal Effects:**

**Zero:** 0.03% FS/°C

**Span:** 0.01% FS/°C

**Max Load:** 150% FS

**Full Scale Deflection:** 0.010" maximum

**Tare Capacity:** 10% FS

**Construction:** Cast aluminum housing

**Battery:** Rechargeable Ni-Cad 7.2 V battery (included)

**Battery Life:** 10 to 12 hours of continuous operation

**AC Adaptor/Battery Charger:** 115 Vac

**Weight:** 0.4 kg (0.9 lb)

**Dimensions:** 152 H x 63 W x 38 mm D (6 x 2½ x 1½")

**Connection Thread:** 10-32; ⅝" L

**MOST POPULAR MODELS HIGHLIGHTED!**

### To Order (Specify Model Number)

MODEL	PRICE	SCALE VS. RESOLUTION		
		POUNDS	KILOGRAMS	NEWTONS
DFG51-.25	\$1350	0.25 x 0.0001	100 x 0.05 g	1 x 0.0005
DFG51-.5	1350	0.5 x 0.0002	250 x 0.1 g	2.5 x 0.001
DFG51-2	1170	2 x 0.001	1 x 0.0005	10 x 0.005
DFG51-10	1170	10 x 0.005	5 x 0.002	50 x 0.02
DFG51-20	1170	20 x 0.01	10 x 0.005	100 x 0.05
DFG51-50	1170	50 x 0.02	25 x 0.01	250 x 0.1
DFG51-100	1170	100 x 0.05	50 x 0.02	500 x 0.2
DFG51-200	1170	200 x 0.1	100 x 0.05	1000 x 0.5

All models come with AC adaptor/charger, rechargeable Ni-Cad 7.2 V battery, certificate of calibration and complete operator's manual.

**Ordering Example:** DFG51-2, measures from 0 to 2 lb with 0.001 resolution, \$1170.

### ACCESSORY

MODEL NO.	PRICE	DESCRIPTION
ME-1758	\$105	Reference Book: Strength of Material and Structures



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