

MICROPROCESSOR-BASED DIGITAL FORCE GAGE RANGES FROM 0.25 TO 200 lb

DISCONTINUED

DFG51-2 shown
smaller than
actual size.

DFG51 Series



Standard

- ✓ 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 7.2V 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, ± 1 LSC
(least significant count)

Display: $4\frac{1}{2}$ digit LCD with 0.3" high characters

Sample Rate: 65 samples per second

Analog Output: ± 1 Vdc



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

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 7.2V 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; ⅜" L

To Order

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

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

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

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