

# **Digital Force Gauge**

Model: WSDFG Series

The WSDFG is a highly accurate digital force gauge armed with heavy duty anodised metal housing for robustness and durability. Complete with several useful attachments, the WSDFG Force Gauge is designed to measure tension, strain and pull force up to 1000 N.

## **FEATURES**

- 6 attachments, including hook, flat tip, conical tip, chisel tip, notched tip, and extension shaft
- automatic reversible display
- selection of units, N, kgf, lbf, gf, ozf, mN
- peak hold, auto peak and track modes
- USB connection for computer and charging
- USB cable and Data Capture Software
- overload alarm
- touch key operation
- setpoints, programmable Hi and Lo limits
- battery life approximately 16 hours of continuous use
- durable heavy-duty metal construction
- hard plastic carrying case
- low battery indications
- LCD screen with LED backlight

#### **OPTIONS**

- manual test stand with digital display (as pictured).
   Order code # WSDFGMANTSDM
- handle (as pictured on page 2)



WSDFG Force Gauge



Optional Test Stand









### **VARIATIONS**

Model Number	Max Capacity	Graduation	Overall Dimensions (mm)
WSDFG5K	50 N (5 kgf)	0.01 N (0.001 kgf)	73 (W) x 35 (D) x 145 (H)
WSDFG10K	100 N (10 kgf)	0.02 N (0.002 kgf)	73 (W) x 35 (D) x 145 (H)
WSDFG20K	200 N (20 kgf)	0.05 N (0.005 kgf)	73 (W) x 35 (D) x 145 (H)
WSDFG50K	500 N (50 kgf)	0.1 N (0.01 kgf)	73 (W) x 35 (D) x 145 (H)
WSDFG100K	1000 N (100 kgf)	0.2 N (0.01 kgf)	73 (W) x 35 (D) x 145 (H)

Specifications may change without notice

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#### ADDITIONAL SPECIFICATIONS

Accuracy:  $\pm 0.2\%$  F.S.,  $\pm 1$  LSD

Selectable Units: mN, N, gf, kgf, ozf and lbf (selectable)

Display: 160\*128 dot matrix LCD with LED backlight

Overload Capacity: 150% of F.S (LCD flashes beyond 110% of F.S.)

Overload Protection: Overload protection mechanism to prevent damage

Measurement Method: Peak, auto-peak or track mode

Data Sampling Rate: 1000 Hz

Display Update Rate: 10 times/second

Memory: 1000 data

Set Point: Programmable high and low limits

Battery Indicator: Display flashes battery icon when battery is low Power: 3.6VDC 800mAH Ni-MH rechargeable batteries

Battery Life: Approximately 16 hours continuous use per full charge

Charger / Adaptor: Universal USB/BM charger, Input: 110~240VAC

Temperature Effects: <0.03% FS per °C

Outputs: RS-232, "Within" set point output, "Under or over" set point output

Operating: Temperature: -10 to 40 °C

Relative Humidity: 20 to 80%

Storage: Temperature: -20 to +500C

Relative Humidity: 5 to 95%

Dimensions (mm): 145 (H) x 73 (W) x 35 (D)

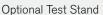
Weight: 0.7 kg (1.5lb)

Accessories: AC adapter/charger, 6 attachments:

hook, flat tip, conical tip, chisel tip, notched tip, extension shaft

Options: Test stand, Handle







Optional Handle



WSDFG complete with standard attachments and carry case

Specifications may change without notice