

# 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, this scale is ready to measure tension, strain and pull force up to 1000N.

## FEATURES

## WSDFG SERIES

- 6 attachments, including hook, flat tip, conical tip, chisel tip, notched tip, and extension shaft (note 100 kg capacity comes with an eyelet instead of a hook)\*
- 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
- net weight 0.7 kg

## OPTIONS

- test stand (as pictured on page 2)



\* Eyelet for 100 kg capacity Force Gauge



## VARIATIONS

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

Specifications may change without notice

**ADDITIONAL SPECIFICATIONS**

Accuracy:	±0.2% F.S., ±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 +50°C 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 (100 kg capacity is supplied with an eyelet instead of hook)*

**ORDER CODES FOR OPTIONS & SPARE PARTS**

Order Code	Description
WSDFGMANTSDM	Manual Test Stand with Digital Display

  
\* Eyelet for  
100 kg capacity  
Force Gauge



Force Gauge shown with Optional Test Stand

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