

# FGD-Series

## Digital Force Gauge

FGD Digital Force Gauges from Starr Instrument featuring a large, easy-to-read LCD display, touch sensitive key operation and available in a wide range of load cell capacities from 2N-1000N.

Program high & low set points to enable Go/No-Go testing using the LCD indicators. Also log and store data in the 500 reading internal memory or output results directly using the included software via USB.

All FGD gauges run on the internal NI-MH batteries or the AC adapter/USB charger and are sold in a complete kit with gauge, set of six standard attachments, AC adapter/USB charger, software CD-ROM, calibration certificate and hard plastic carrying case.



### FEATURES:

- Accuracy:  $\pm 0.2\%$  of Full Scale
- Ergonomic, durable, heavy-duty metal construction
- Touch sensitive keypad
- Automatic reversible display
- Overload Protection Mechanism to prevent damaged (visual and audible alarm)
- Direct USB Charging and data communication with PC through included logging software

### SPECIFICATIONS:

<b>Accuracy</b>	$\pm 0.2\%$ F.S.
<b>Selectable Units</b>	N, gf, kgf, ozf, lbf.
<b>Display</b>	LCD with LED Backlight
<b>Overload Capacity</b>	120% F.S.
<b>Measurement Mode</b>	Track, Peak, Auto-Peak
<b>Sampling Rate</b>	1000 Hz
<b>Memory</b>	1000 data
<b>Power</b>	Ni-MH rechargeable batteries
<b>Battery Life</b>	Approx. 20 hours per charge
<b>Charger/Adaptor</b>	Universal USB charger, Input:110~240VAC
<b>Outputs</b>	USB, set point output
<b>Dimensions</b>	160 x 73 x 34mm
<b>Weight</b>	0.7 kg

**CAPACITY (Range) RESOLUTION: (Accuracy: +/- 0.2% F.S.)**

MODEL		mN	N	gf	Kgf	Ozf	lbf
<b>FDG-2</b>	Capacity	2000.0	2.0000	200.00	-	7.00	-
	Resolution	0.5	0.0005	0.05	-	0.001	-
<b>FGD-5</b>	Capacity	5000.0	5.0000	500.00	-	18.000	1.1000
	Resolution	0.5	0.0005	0.05	-	0.005	0.0001
<b>FGD-10</b>	Capacity	10000	10.000	1000.0	1.0000	35.00	2.200
	Resolution	1	0.001	0.1	0.0001	0.01	0.0005
<b>FGD-20</b>	Capacity	20000	20.000	2000.0	2.0000	70.00	4.400
	Resolution	5	0.005	0.5	0.0005	0.01	0.001
<b>FGD-50</b>	Capacity	50000	50.000	5000.0	5.0000	180.00	11.000
	Resolution	5	0.005	0.5	0.0005	0.05	0.001
<b>FGD-100</b>	Capacity	-	100.00	10000	10.000	350.0	22.000
	Resolution	-	0.01	1	0.001	0.1	0.005
<b>FGD-200</b>	Capacity	-	200.00	20000	20.00	700.0	44.00
	Resolution	-	0.05	5	0.005	0.1	0.01
<b>FGD-500</b>	Capacity	-	500.00	50000	50.000	1800.0	110.00
	Resolution	-	0.05	5	0.005	0.5	0.01
<b>FGD-1000</b>	Capacity	-	1000.0	-	100.00	3500	220.00
	Resolution	-	0.1	-	0.01	1	0.05

