

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:

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

CAPACITY (Range) RESOLUTION:

(Accuracy: +/- 0.2% F.S.)

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

