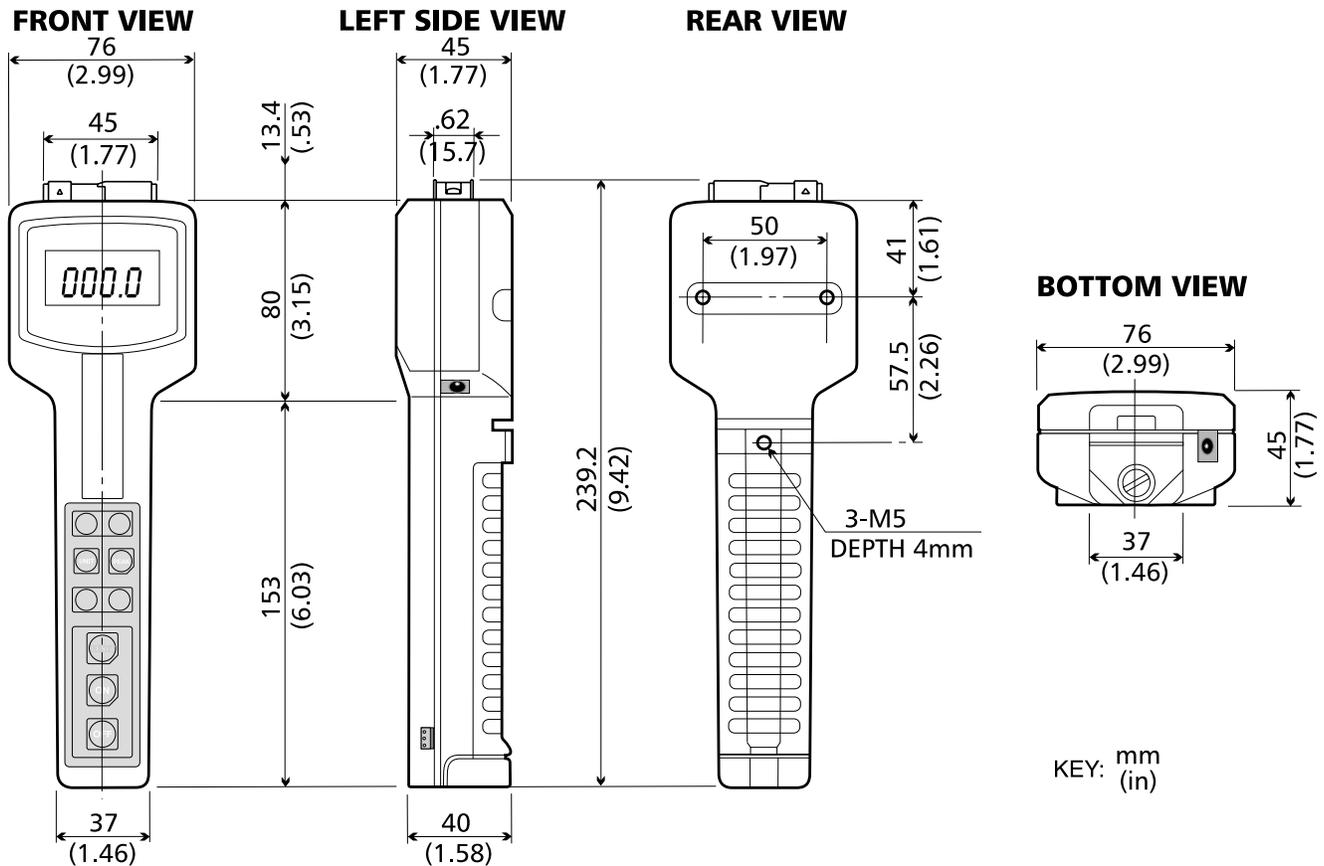


Digital Force Gauges



DRI SPECIFICATIONS

Model	DRI
Sensor	Interchangeable w/Shimpo force & torque sensors
Display	5 digit 0.47"(12 mm) high with various indicators including low battery indication and tension (-)
Measuring Mode	Average, peak compression (CW), peak tension (CCW) (selectable)
Display Update	125 msec, 250 msec, 500 msec, 1 sec, 2 sec (selectable)
Sampling Rate	1000 sample/sec
Outputs	1.RS232C 2.Digimatic:(works with Mitutoyo's printer model DP-1HS) 3.Analog:(±1 VDC 1000 times/sec update)
Comparator Output (Set Point)	Three open collector NPN transistors for HI, GO and LO (28 VDC, 7 mA max.)
Overload Output	Two open collector NPN transistors one for tension and one for compression (28 VDC, 5 mA max.)
Tare & Hold Control	Relay contact (tare or hold selectable)
Memory	Hold 100 samples plus statistics (MAX, MIN, AVG, and Standard Deviation)
Power	4-AA alkaline batteries or AC adapter
Auto Power Shut-Off	Selectable (3 minutes if there is no activity)
Operating Temperature Range	32 to 113°F (0 to 45°C)
Dimensions	3" W × 1.77" H × 9.42" L (76 mm × 45 mm × 239.2 mm)
Standard Accessories	AC adapter, (4) AA batteries, DRI output connector, Overload protection cable (DFS-CTRLCABLE), Plastic carrying case
OPTIONAL	NIST certs with data

FORCE SENSOR SPECIFICATIONS

MODEL	LC-50 S	LC-100 S	LC-200 S	LC-500 S
Capacity	50 lb 25 Kg 250 N	100 lb 50 Kg 500 N	200 lb 100 Kg 1000 N	500 lb 250 Kg 2500 N
Resolution (w/ Force Display)	0.01 lb 0.01 Kg 0.1 N	0.01 lb 0.01 Kg 0.1 N	0.1 lb 0.01 Kg 0.1 N	0.1 lb 0.1 Kg 1 N
Accuracy	±0.2% F.S. ±1 digit			
Safety Overload	150% R.O.			
Repeatability	0.01% R.O.			
Temperature Range	-22° - 176°F (-30° - 80°C)			

TORQUE SENSOR SPECIFICATIONS

MODEL	TS-3 SD TS-3 J	TS-10 SD TS-10 J	TS-20 SD TS-20 J	TS-50 SD TS-50 J	TS-100 SD TS-100 J
Capacity	50 oz-in 4 Kg-cm 40 N-cm	10 lb-in 10 Kg-cm 100 N-cm	20 lb-in 20 Kg-cm 200 N-cm	50 lb-in 50 Kg-cm 500 N-cm	100 lb-in 100 Kg-cm 1000 N-cm
Resolution (w/ Force Display)	0.1 oz-in 0.01 Kg-cm 0.1 N-cm	0.01 lb-in 0.01 Kg-cm 0.1 N-cm	0.01 lb-in 0.01 Kg-cm 0.1 N-cm	0.1 lb-in 0.01 Kg-cm 1 N-cm	0.1 lb-in 0.1 Kg-cm 1 N-cm
Accuracy	±1% F.S. ±1 digit				
Safety Overload	150% R.O.				
Repeatability	1% R.O.				
Temperature Range	-32° - 104°F (0° - 40°C)				