

DS2 Digital Force Gauge



Standard Features

- Simple operation, easy-to-use, accurate
- Large easy-to-read LCD display
- Ergonomic, durable, heavy-duty metal construction
- Push-button selectable lbf, kgf, and Newton units
- RS-232C, Digimatic and analog outputs
- Programmable High/Low setpoints with LCD indicators
- Overload capacity 200% F.S.
- Overload alarm, display flashes at overload limit
- Low battery icon
- Runs on internal NI-MH batteries or AC adapter
- Selectable real time or peak mode operation
- Push-button tare function
- Reversible display
- Set of six attachments, AC charger/adaptor and carrying case

DS2 Specifications

Accuracy	$\pm 0.2\%$ F.S., ± 1 LSD
Selectable Units	lbf(ozf), kgf(gf) or Newtons
Overload Capacity	200% of F.S. (Overload indicator flashes beyond 110% of F.S.)
Data Processing Speed	1,000 data/second (30 data/second rate selectable)
Display Update	10 times/second

Power	Rechargeable Ni-MH battery pack or AC adapter
Battery Indicator	Display flashes battery icon when battery is low
CPU	8-bit CMOS
Setpoints	Programmable high/low setpoints w/ LCD indicators
Outputs	RS-232C, Digimatic and ± 1 VDC analog output
Operating Temp.	Operating Temp. 32° to 100°F (0° to 40°C)

DS2 Ranges (Resolution)

Shaft size: 10-32 up to 110 lbf, M6 for 220 lbf

Accuracy: $\pm 0.2\%$ F.S. ± 1 LSD

<u>Model</u>	<u>Capacity (Resolution)</u>				
	Ounces	Pounds	Grams	Kilograms	Newtons
<u>DS2-0.4</u>	7.000 (0.001 ozf)	-	200.0 (0.1 gf)	-	2.000 (0.001 N)
<u>DS2-1</u>	17.00 (0.01 ozf)	-	500.0 (0.1 gf)	-	5.000 (0.001 N)
<u>DS2-4</u>	-	4.400 (0.001 lbf)	-	2.000 (0.001 kgf)	20.00 (0.01 N)
<u>DS2-11</u>	-	11.00 (0.01 lbf)	-	5.000 (0.001 kgf)	50.00 (0.01 N)
<u>DS2-44</u>	-	44.00 (0.01 lbf)	-	20.00 (0.01 kgf)	200.0 (0.1 N)
<u>DS2-110</u>	-	110.0 (0.1 lbf)	-	50.00 (0.01 kgf)	500.0 (0.1 N)
<u>DS2-220</u>	-	220.0 (0.1 lbf)	-	100.0 (0.1 kgf)	1000 (1 N)

What's Included?

All gauges come with a 3-Point Certificate traceable to NIST. ISO Certificates are available at an additional charge. All gauges are sold in a complete kit with gauge, hard plastic carrying case, a set of six measuring attachments and AC adapter/charger. All gauges can run on the internal NI-MH batteries or the AC adapter/charger. An optional handle to facilitate the measurement of heavy loads is also available.