DS2 Digital Force Gauge

Superseded by New Improved DST Digital Force Gauge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
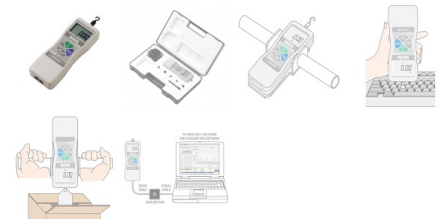- Set of six attachments, AC charger/adapter and carrying case

The DS2 series is Imada's most economical digital force gauge. It features a large, easy-to-read LCD display and simple push-button operation. An ergonomic metal housing protects the highly accurate loadcell and electronics in tough industrial environments.

The gauge can measure both tension and compression, with an icon indicating the direction on the display. A low battery icon will appear when the NI-MH batteries are low. Overload icon will flash and unit will emit audible alarm at 110% of full scale.

If desired, you can program high/low setpoints to enable Go/NoGo testing using the LCD indicators. Standard outputs (RS-232C, Digimatic, and ±1VDC analog) enable you to acquire data for permanent records.

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.

RANGES

Shaft size: 10-32 up to 110 lbf, M6 for 220 lbf
Accuracy: ±0.2% F.S. ±1 LSD
More Ranges ►

Model		DS2-0.4	DS2-1	DS2-4	DS2-11	DS2-44
	Ounces	7.000 (0.001 ozf)	17.00 (0.01 ozf)	-	-	-
	Pounds	-	-	4.400 (0.001 lbf)	11.00 (0.01 lbf)	44.00 (0.0
Capacity (Resolution)	**Grams**	200.0 (0.1 gf)	500.0 (0.1 gf)	-	-	-
	Kilograms	-	-	2.000 (0.001 kgf)	5.000 (0.001 kgf)	20.00 (0.
	Newtons	2.000 (0.001 N)	5.000 (0.001 N)	20.00 (0.01 N)	50.00 (0.01 N)	200.0 (0.

SPECS

Accuracy	± 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)

ACCESSORIES

Sold separately

Cable	Description
CB-203	**RS232C output cable for DS2**
RA-USB	RS232 - USB Adapter
CB-101	Analog output cable for DS2
CB-301	Digimatic Output Cable

Included (120V or 230V) with the purchase of a new gauge.

Part Number	Description
ADS-100/120A	**120V AC Adapter / Charger**

ADS-230	230V AC Adapter / Charger

SOFTWARE

SW-1X Data Acquisition Software (optional)
The DS2 is compatible with Imada's SW-1X Force Data Acquisition Spreadsheet. Acquire and analyze data in real-time in Microsoft Excel. Log and chart measurements as well as statistical information and control the gauge from your computer.

DIMENSIONS

DS2 Digital Force Gauge Dimensions