

Easy-to-use digital gauge with large easy-to-read display



- 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

Easy-to-Use

[Dimensions](#) | [Data Acquisition](#)

DS2 digital force gauges feature 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.

When measuring, units of measure and a tension or compression icon are displayed. A battery icon indicates the NI-MH batteries are low. If an overload occurs the display will flash to warn you.

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

Choose a range or ranges that best suit your application. All DS2 gauges are sold in a complete kit with gauge, hard plastic carrying case, a set of six measuring attachments and AC adapter/charger. All DS2 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.



SW-1 Data Acquisition Software (optional)

You can acquire and analyze real-time data from any Imada gauge with an RS-232 port directly into any Windows program. Log and chart measurements as well as statistical information and control the gauge from your computer.

DB-1 Data Input Button (optional)

DB-1 is a simple, compact, one channel interface that enables the user to send measurement data to a PC running SW-1, Imada data acquisition software or other software. The data input button simplifies peak measuring tests because it 'zeros' the gauge after sending the data to the computer eliminating the need to reset manually for each test.



DS2 Kit

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 with LCD indicators
Outputs	RS-232C, Digimatic and ± 1 VDC analog output
Operating Temp.	32° to 100°F (0° to 40°C)

DS2 Ranges (Resolution) Accuracy: $\pm 0.2\%$ F.S. ± 1 LSD

Model	Capacity (Resolution)		
	Pounds/Ounces	Kilograms/Grams	Newtons
DS2-0.4	7.00 (0.01 ozf)	200.0 (0.1 gf)	2.000 (0.001 N)
DS2-1	18.00 (0.01 ozf)	500.0 (0.1 gf)	5.000 (0.001 N)
DS2-4	4.400 (0.001 lbf)	2.000 (0.001 kgf)	20.00 (0.01 N)
DS2-11	11.00 (0.01 lbf)	5.000 (0.001 kgf)	50.00 (0.01 N)
DS2-44	44.00 (0.01 lbf)	20.00 (0.01 kgf)	200.0 (0.1 N)
DS2-110	110.0 (0.1 lbf)	50.00 (0.01 kgf)	500.0 (0.1 N)
DS2-220	220.0 (0.1 lbf)	100.0 (0.1 kgf)	1000 (1 N)

For capacities over 220 lbf use [ZPH Series](#)

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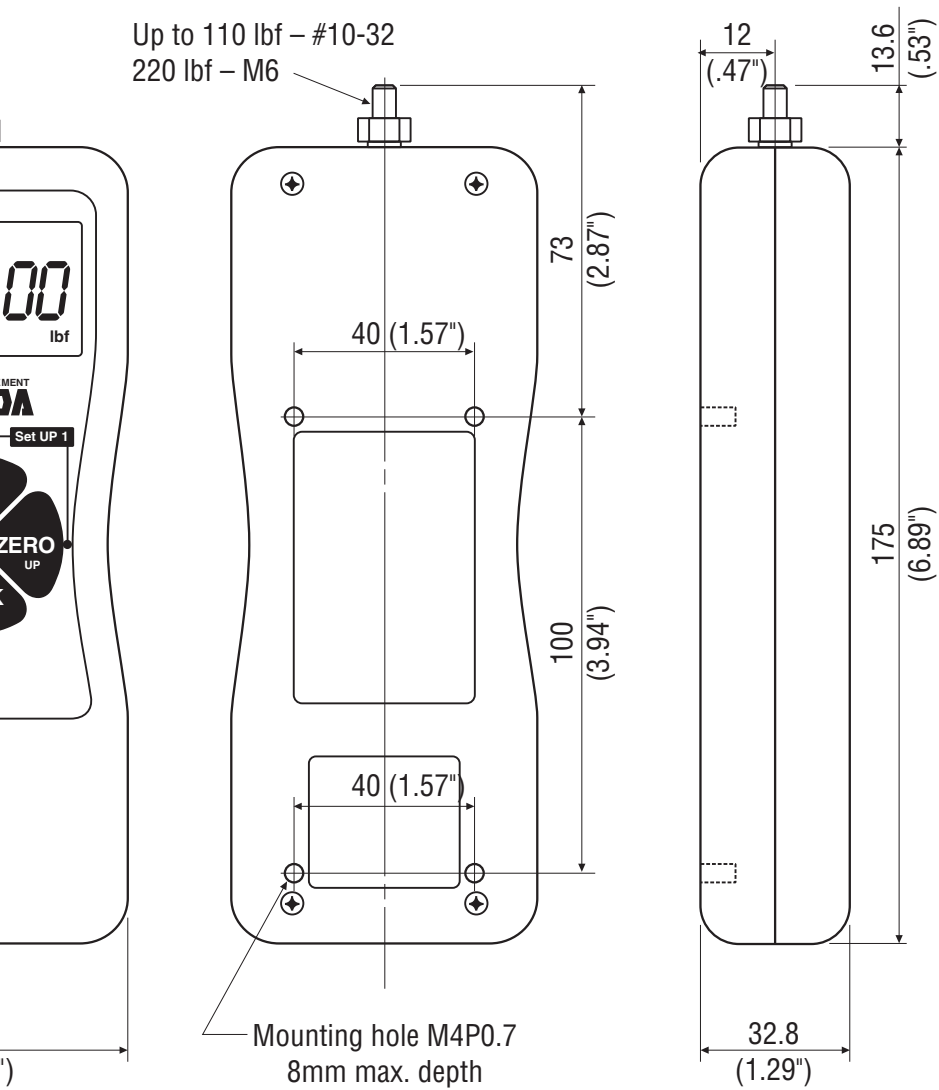
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Digital Torque Screwdrivers
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Impact Wrench Calibrators
Torque Data Acquisition

Pull Testers
Peel Testers
Spring Testers
Puncture Testers
Compression Testers
Strength Testers

LED Stroboscope
Digital Tachometer
Durometers
Constant Load Stands
Durometer Accessories



- Full SPC and graphing capabilities
- Designed for Imada gauges
- Automates your data collection

**PRICING
DELIVERY
SUPPORT**



SW-1 is a highly customized Excel spreadsheet specifically designed for capturing and analyzing real-time data from Imada gauges with an RS-232C port.

SW-1 allows real time data from RS-232C instruments to be input directly into any Windows program – including Microsoft Excel. SW-1 inputs gauge readings in real time and provides a running log of all force measurements along with a chart of the data as well as statistical information including Min, Max, Mean, Median, Standard Deviation, Average Deviation and Variance.

Complete control of the gauge is provided through a set of “buttons” on the spreadsheet that enable easy editing of the

sampling rate, force measurement units, peak/real time, tare and power off.

Other features include a memory download option for Z2, Z2S-DPU and Z2H gauges only. If desired, the entire stack can be saved to disk, analyzed or cleared. Because all data is entered directly into a standard Excel spreadsheet, you are virtually unlimited in your ability to analyze your force gauge data using all of the powerful tools available in Excel.

Hardware Requirements: Imada Gauge with RS-232C serial port, CB-203 or CB-204 cable, a Pentium or equivalent with 32MB RAM or better, a mouse and approximately 1 MB hard disk space.

Software Requirements: Windows 95 or later, Windows NT and Excel '97 or later.



Use Data Button to send data to PC and zero the gauge!

MODEL	CABLE (10')
DS2	CB203
Z2	CB204
Z2H	
Z2S-DPU	
DTX2	
HTG2	

