

**DST Digital Force Gauge**

Easy-to-use basic force gauge with large backlit LCD display

Standard Features

- Easy-to-use basic force gauge
- Backlit LCD display with user-friendly menus
- Ergonomic, durable, heavy-duty metal construction
- 30,000/sec ultra-high sampling rate
- Selectable real time or peak mode operation
- USB and RS-232C output
- Overload capacity 200% F.S.; Display flashes at overload limit
- Runs on internal Ni-MH batteries (user replaceable) or AC adapter; charge with USB port or portable charger
- DST kit includes set of six attachments, AC charger/adapter, calibration cert traceable to NIST and carrying case

Imada DST digital force gauges are simple-to-use basic gauges featuring user-friendly menu operation. Selections including unit and measuring mode can be locked to prevent accidental changes.

The large backlit LCD display can be configured in basic format to show value, unit and measuring mode or multi-line format to display peak and real time values simultaneously. Additional features include reversible display and high/low setpoints with OK indicator for Go/No Go testing.

The gauges have a 30,000/sec ultra-high sampling rate. Collect the data via USB or RS-232 connections with the optional Force Logger or SW-1X software.

DST gauges are powered by rechargeable Ni-MH batteries or the AC adapter/charger. The batteries are user replaceable and can also be charged using USB ports or USB portable chargers.

All DST gauges are sold as kits complete with gauge, carrying case, six attachments and AC adapter/charger.

**RANGES**

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

Accuracy: $\pm 0.2\%$ F.S. ± 1 LSD[More Ranges >](#)

Model	Ounces	Pounds	Capacity (Resolution)	Kilograms	Newton
DST-0.4A	7.00 (0.001 ozf)	-	200.0 (0.1 gf)	-	2.000 (0.001 N)
DST-1A	17.00 (0.01 ozf)	-	500.0 (0.1 gf)	-	5.000 (0.001 N)
DST-4A	-	4.400 (0.001 lbf)	-	2.000 (0.001 kgf)	20.00 (0.01 N)
DST-11A	-	11.00 (0.01 lbf)	-	5.000 (0.001 kgf)	50.00 (0.01 N)
DST-44A	-	44.00 (0.01 lbf)	-	20.00 (0.01 kgf)	200.0 (0.1 N)
DST-110A	-	110.0 (0.1 lbf)	-	50.00 (0.01 kgf)	500.0 (0.1 N)
DST-220A	-	220.0 (0.1 lbf)	-	100.0 (0.1 kgf)	1000 (1 N)

SPECS**DST Specifications**

Accuracy	$\pm 0.2\%$ F.S., ± 1 LSD
Selectable Units	lbf(ozf), kgf(gf) or Newtons
Display	4 digit backlit LCD
Overload Alarm	Audible alarm at 90% of capacity; Audible alarm and indicator flashes beyond 110% of F.S.
Sampling Rate	30,000/second
Battery Life	Approx. 30 hours backlight off Approx. 14 hours backlight on 4.5 hours required for full charge
Battery Indicator	Battery icon displays three levels of charge
Setpoints	Programmable high/low setpoints with OK indicator
Outputs	USB, RS-232C
Operating Temp.	32° to 100°F (0° to 40°C)
Accessories Included	AC adapter, Attachments (hook, flat tip, conical tip, chisel tip, notched tip, extension shaft), Carrying Case

SOFTWARE**Force Logger (optional)**

Available to users who need to collect peak data. Please inquire.

SW-1X Data Acquisition Software (optional)

Capture and analyze real-time data from any Imada gauge with a USB or RS-232 port directly into any Windows program. Log measurements and generate a profile graph plus statistical information. Control gauge functions from your computer.

DB-1X Data Input Button (optional)

DB-1X is a compact, one channel interface that enables users to send measurement data to a PC running SW-1X, Imada data acquisition software or other software. The data input button 'zeros' the gauge after sending data to the PC eliminating the need to reset manually.

DIMENSIONS[DST Digital Force Gauge Dimensions](#)