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TECHNICAL DATA SHEET • FORCE & TORQUE MEASUREMENT EQUIPMENT



Series: Imada DST

Imada DST Digital Force Gauge

Simple-to-Use Digital Force Gauge with USB & RS-232C Outputs

The **Imada DST Digital Force Gauge** is a simple-to-use basic force gauge featuring user-friendly menu operation and quick selection of measurement units (lbf/ozf, kgf/gf, or Newtons) and measuring modes (real-time or peak). Data can be collected seamlessly via USB or RS-232C connections using optional Force Logger or SW-1X software.

Built with ergonomic, heavy-duty die-cast aluminum construction, the DST series delivers ±0.2% F.S. accuracy, a 30,000/sec sampling rate, and rechargeable user-replaceable Ni-MH batteries that can also be charged via USB ports or portable chargers.

TECHNICAL SPECIFICATIONS & DEVICE DETAILS

Manufacturer: Imada	**Model Series:** DST Series (7 Ranges up to 220 lbf / 1000 N)
Measuring Principle: Bidirectional force sensor with strain gauge	**Accuracy:** ±0.2% F.S., ±1 LSD
Sampling Rate: 30,000 / second	**Display:** 4-digit Backlit LCD (8 times/sec update rate)
Overload Capacity: 200% F.S. (Alarm at 90%, Flash at 110% F.S.)	**Outputs & Power:** USB, RS-232C | Ni-MH Batteries (~30 hrs) / AC Adapter

GAUGE HIGHLIGHTS & KEY FEATURES

Engineered for dependable handheld or test-stand tension and compression testing, the Imada DST combines intuitive menu controls with rugged aluminum housing and reliable overload protection.

- **Intuitive Operation & Security:** Backlit LCD display with user-friendly menus, push-button tare function, selectable real-time or peak mode, programmable High/Low setpoints with OK indicator, and setting security lock to prevent accidental changes.
- **Rugged Construction & Mounting:** Ergonomic die-cast aluminum housing (181 × 72 × 32 mm, approx. 460 g) equipped with M6 male thread plug gauge and 4 × M4 (8 mm depth) test stand mounting threads.
- **Flexible Power & Data Output:** Runs on user-replaceable internal Ni-MH batteries (approx. 30 hours backlight off / 14 hours on; 4.5 hours full charge) or AC adapter/USB charging, with USB and RS-232C data outputs.

ITEMIZED CONTENTS & ORDERING INFORMATION

COMPLETE KIT INVENTORY (IMADA DST SERIES)

Component Name	Primary Function / Application	Included
Imada DST Digital Force Gauge	Digital force gauge with backlit LCD, High/Low setpoints, and USB/RS-232C outputs.	Standard
NIST-Traceable Calibration Cert.	Factory calibration certificate verifying ±0.2% F.S. accuracy (ISO-17025 option available).	Standard
Set of Six Standard Attachments	Complete set of six standard force testing attachments for tension and compression tests.	Standard
AC Adapter / Charger	Powers the gauge or recharges internal Ni-MH batteries (also charges via USB port).	Standard
Instruction Manual	Complete operating guide for menu setup, setpoints, and data output configuration.	Standard
Hard Plastic Carrying Case	Durable protective case for safe transport and organized storage of the gauge and attachments.	Standard

ORDERING & PRODUCT OPTIONS

Model Number	Capacity	Resolution
DST-0.4A	7 ozf | 200 gf | 2 N	0.001 ozf | 0.1 gf | 0.001 N
DST-1A	1 lbf (17 ozf) | 500 gf | 5 N	0.01 ozf | 0.1 gf | 0.001 N
DST-4A	4.4 lbf | 2 kgf | 20 N	0.001 lbf | 0.001 kgf | 0.01 N
DST-11A	11 lbf | 5 kgf | 50 N	0.01 lbf | 0.001 kgf | 0.01 N
DST-44A	44 lbf | 20 kgf | 200 N	0.01 lbf | 0.01 kgf | 0.1 N
DST-110A	110 lbf | 50 kgf | 500 N	0.1 lbf | 0.01 kgf | 0.1 N
DST-220A	220 lbf | 100 kgf | 1000 N	0.1 lbf | 0.1 kgf | 1 N



Ready to Order or Request a Quote?
Contact ABQ Industrial sales engineers for pricing, calibration certificates, and delivery options.

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