ABQ Industrial LLC
Web: www.abqindustrial.net | Email: info@abqindustrial.net
Toll-Free: +1 (888) 275-5772

TECHNICAL DATA SHEET • FORCE & TORQUE MEASUREMENT EQUIPMENT



Series: Imada ZTA-DPU

Imada ZTA-DPU Series Digital Force Gauge with Remote Sensor

Advanced Digital Force Gauge with Remote Load Cell & High-Speed Output

The **Imada ZTA-DPU Series Digital Force Gauge** pairs an advanced handheld indicator with a remote load cell sensor on a 6-foot cable, making it ideal for tension and compression measurements in confined, hard-to-reach, or high-capacity testing environments up to 4,400 lbf (20.00 kN).

Featuring a high-contrast Electroluminescent Display (ELD), heavy-duty metal construction with non-slip ergonomic grips, and multi-language programming menus, the ZTA-DPU processes and transmits 2,000 data points per second and supports direct data export to USB flash drives.

TECHNICAL SPECIFICATIONS & DEVICE DETAILS

Manufacturer: Imada	**Model Series:** ZTA-DPU Series (11 Ranges up to 4,400 lbf / 20 kN)
Accuracy: ±0.2% F.S., ±1 LSD	**Data Processing Rate:** Processes and transmits 2,000 data/sec
Selectable Units: lbf (ozf), kgf (gf), or Newtons (kN)	**Internal Memory:** Non-volatile, recall up to 1,000 data points
Overload Capacity: 200% F.S. (Indicator flashes beyond 110% F.S.)	**Outputs & Power:** USB, RS-232C, Digimatic, ±2 VDC | Ni-MH / AC

GAUGE HIGHLIGHTS & KEY FEATURES

Designed for demanding quality control and automated testing workflows, the ZTA-DPU series combines remote-sensor flexibility with high-visibility electroluminescent readout and comprehensive connectivity.

- **High-Visibility ELD & Multi-Language Menus:** Bright Electroluminescent Display (ELD) ensures clear readability in dark locations, with intuitive programming menus in eight languages (English, Spanish, French, Chinese, German, Italian, Korean, and Japanese).
- **ZTA Exclusive Capabilities:** Export gauge memory or save continuous data directly to USB flash drives, and display synchronized force and displacement data when paired with an Imada FA test stand.

- **Go/No-Go Testing & Versatile Outputs:** Programmable High/Low setpoints with color-coded LED indicators, overload alarm/output signal, external switch display hold/clear, selectable real-time or peak modes, and USB (virtual COM port), RS-232C, Digimatic, and ±2 VDC analog outputs.

ITEMIZED CONTENTS & ORDERING INFORMATION

COMPLETE KIT INVENTORY (IMADA ZTA-DPU SERIES)

Component Name	Primary Function / Application	Included
Imada ZTA-DPU Force Gauge	Advanced ELD digital force gauge indicator with 1,000-point memory and multi-output interface.	Standard
Remote Sensor with 6' Cable	External DPU tension/compression load cell with 6-foot cable for flexible remote mounting.	Standard
ZT Logger Software & USB Cable	PC data acquisition software and USB cable for downloading memory or streaming test data.	Standard
AC Adapter / Charger	Powers the gauge or recharges the internal Ni-MH battery pack (3-level charge indicator).	Standard
NIST-Traceable Calibration Cert.	Factory calibration certificate traceable to NIST (ISO-17025 accredited option available).	Standard
Carrying Case	Protective carrying case for secure transport and organized storage of the gauge and sensor.	Standard

ORDERING & PRODUCT OPTIONS

Model Number	Capacity	Resolution
ZTA-DPU-0.4	7.00 ozf | 200.0 gf | 2.000 N	0.01 ozf | 0.1 gf | 0.001 N
ZTA-DPU-1	18.00 ozf | 500.0 gf | 5.000 N	0.01 ozf | 0.1 gf | 0.001 N
ZTA-DPU-4	4.400 lbf | 2.000 kgf | 20.00 N	0.001 lbf | 0.001 kgf | 0.01 N
ZTA-DPU-11	11.00 lbf | 5.000 kgf | 50.00 N	0.001 lbf | 0.001 kgf | 0.01 N
ZTA-DPU-44	44.00 lbf | 20.00 kgf | 200.0 N	0.01 lbf | 0.01 kgf | 0.1 N
ZTA-DPU-110	110.0 lbf | 50.00 kgf | 500.0 N	0.1 lbf | 0.01 kgf | 0.1 N
ZTA-DPU-220	220.0 lbf | 100.0 kgf | 1000 N	0.1 lbf | 0.1 kgf | 1 N
ZTA-DPU-550	550.0 lbf | 250.0 kgf | 2500 N	0.1 lbf | 0.1 kgf | 1 N
ZTA-DPU-1100	1100 lbf | 500.0 kgf | 5000 N	1 lbf | 0.1 kgf | 1 N
ZTA-DPU-2200	2200 lbf | 1000 kgf | 10.00 kN	1 lbf | 1 kgf | 0.01 kN
ZTA-DPU-4400	4400 lbf | 2000 kgf | 20.00 kN	1 lbf | 1 kgf | 0.01 kN



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

Email: info@abqindustrial.net
Phone: +1 (888) 275-5772