



FORCE & TORQUE MEASUREMENT
ISO 9001 & ISO/IEC 17025 ACCREDITED

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Digital Force Gauge with Remote Sensor Luminescent EL Display & Multi-Language Menus

Series ZTS-DPU (Standard) Series ZTA-DPU (Advanced)

ZTS-DPU or ZTA-DPU Standard Features

- EL electro luminescent display is highly visible in dark locations
- Multi-language program menus: English, Spanish, French, Chinese, German, Italian, Korean, Japanese
- Processes and transmits 2,000 data/sec.
- Color-coded LED indicators and output signal for Go/No Go testing
- Ergonomic design with non-slip grips, heavy duty metal construction
- Capacity up to 4,400 lbs (push/pull)
- Overload capacity 200% of F.S.
- USB (virtual COM port), RS-232C, Digimatic and Analog outputs

- lbf, kgf, and N units are selectable
- 1,000 data memory for recall or download
- External switch display hold and clear
- Internal Ni-MH batteries or AC adapter
- Real time and peak mode (selectable)
- Overload alarm and output signal
- Kit includes, full set of attachments, DPU sensor with 6' cable, ZT Logger data acquisition software, USB cable, AC adapter/charger, calibration cert traceable to NIST and carrying case.

ZTA-DPU Additional features

- Display force and displacement data with Imada FA test stand
- Export gauge memory or save continuous data to USB flash drives



ZTS-DPU or ZTA-DPU high performance digital force gauges feature a separate sensor that is ideal for confined spaces or difficult to reach measurements. All standard sensors have a six foot cable and measure both compression and tension.

Easy-to-use menus make programming simple in eight languages. Select units, reverse display, etc.

The electro luminescent display shows force value, unit, and peak, and can be configured with additional user-selectable data.

Color-coded LED indicators alert the user to Go/NoGo conditions. Orange lights for less than low setpoint, green lights between high and low, and red for over the high.

Process and transmit 2,000 actual data per second, not just the peak from a high sampling rate with optional Force Recorder data acquisition software.

ZTA-DPU models export peak data or save continuous data (100 data/sec) to USB flash drives.

ZT Logger downloads data from gauge memory or captures continuous data at 10 data/sec. Control the gauge from your computer. All gauge functions can be set and saved from ZT Logger.

ZTS-DPU/ZTA-DPU Ranges (Resolution)

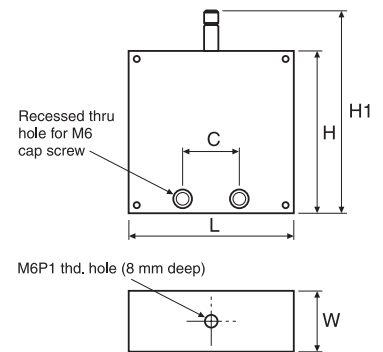
Accuracy: $\pm 0.2\%$ F.S. ± 1 LSD; ZTS-DPU-2200, ZTA-DPU-2200, ZTS-DPU-4400, ZTA-DPU-4400, $\pm 0.5\%$ F.S., ± 1 LSD

Model	Capacity (Resolution)				L	W	H	H1
	Pounds (lbf)	Kilograms (kgf)	Newtons (N)					
ZTS-DPU-0.4 or ZTA-DPU-0.4	7.00 (0.01 ozf)	200.0 (0.1 gf)	2.000 (0.001 N)		2.28	.82	2.24	2.79
ZTS-DPU-1 or ZTA-DPU-1	18.00 (0.01 ozf)	500.0 (0.1 gf)	5.000 (0.001 N)		2.28	.82	2.24	2.79
ZTS-DPU-4 or ZTA-DPU-4	4.400 (0.001 lbf)	2.000 (0.001 kgf)	20.00 (0.01 N)		2.28	.82	2.24	2.79
ZTS-DPU-11 or ZTA-DPU-11	11.00 (0.01 lbf)	5.000 (0.001 kgf)	50.00 (0.01 N)		2.83	.82	2.32	2.87
ZTS-DPU-44 or ZTA-DPU-44	44.00 (0.01 lbf)	20.00 (0.01 kgf)	200.0 (0.1 N)		2.83	.82	2.32	2.87
ZTS-DPU-110 or ZTA-DPU-110	110.0 (0.1 lbf)	50.00 (0.01 kgf)	500.0 (0.1 N)		2.83	.82	2.32	2.87

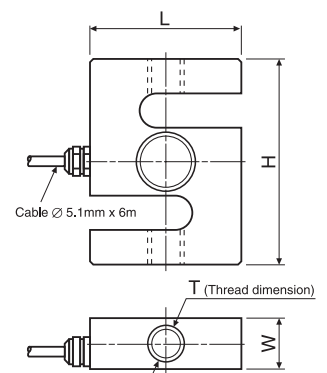
Model	Capacity (Resolution)				L	W	H	T
	Pounds (lbf)	Kilograms (kgf)	Newtons (N)					
ZTS-DPU-220 or ZTA-DPU-220	220.0 (0.1 lbf)	100.0 (0.1 kgf)	1000 (1 N)		2.00	0.50	2.50	3/8-24UNF-2B
ZTS-DPU-550 or ZTA-DPU-550	550.0 (0.1 lbf)	250.0 (0.1 kgf)	2500 (1 N)		2.00	0.75	3.00	1/2-20UNF-2B
ZTS-DPU-1100 or ZTA-DPU-1100	1100 (1 lbf)	500.0 (0.1 kgf)	5000 (1 N)		2.00	1.11	3.00	1/2-20UNF-2B
ZTS-DPU-2200 or ZTA-DPU-2200	2200 (1 lbf)	1000 (1 kgf)	10.00 (.01 kN)		2.00	1.11	3.00	1/2-20UNF-2B
ZTS-DPU-4400 or ZTA-DPU-4400	4400 (1 lbf)	2000 (1 kgf)	20.00 (.01 kN)		3.00	1.00	4.00	3/4-16UNF-2B

All dimensions in inches; Many other types and dimensions of remote sensors are available. Please inquire.

SQUARE TYPE (Up to 110 lbf)



'S' BEAM TYPE (220 lbf and up)



Specifications subject to change without notice.