

CALL TOLL FREE **1-800-373-9989**

ZT Digital Force Gauge

ZT Series Digital Force Gauge with Luminescent EL Display, Intuitive Menu Driven Interface

Model ZTS (Standard)

Model ZTA (Advanced)

Standard Features

- EL electro luminescent display is highly visible in dark locations
- Multi-language program menus: English, Chinese, Korean, German, French, Italian, Spanish, Japanese
- Export gauge memory or save continuous data to USB flash drives
- Display force and displacement data with Imada FA test stand
- 30,000 data/sec ultra-high sampling rate; 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 1,100 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, ZT Logger data acquisition software, USB cable, AC adapter/charger, calibration cert traceable to NIST and carrying case.

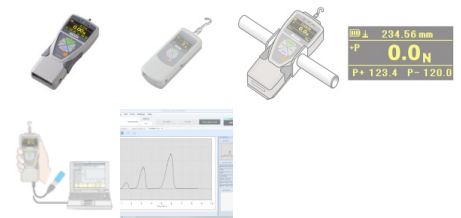


ZT Digital Force Gauges feature a brand new intuitive user interface with easy-to-use menus. Select units, reverse the display, set high/low setpoints, and set all other functions using plain language menus.

The ZT Digital Force Gauge has an electro luminescent EL display. The vibrant display shows force value, unit, and peak, and can be configured with additional user-selectable data including memory data, +NG count, high/low setpoints, 1st and 2nd peaks, displacement value (using Imada test stand with FA option), etc.

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.



RANGES (RESOLUTION)

Shaft size: 10-32 up to 110 lbf, M6 for 220 lbf, M10 for 550 and above

Accuracy: up to ZTS/ZTA-220 $\pm 0.2\%$ F.S., ± 1 LSD; ZTS/ZTA-550 and up $\pm 0.3\%$ F.S., ± 1 LSD

More Ranges ►

| Model | ZTS-0.4 or ZTA-0.4 | ZTS-1 or ZTA-1 | ZTS-4 or ZTA-4 | ZTS-11 or ZTA-11 | ZTS-4 |
|------------------------------|---------------------------|-----------------------|-----------------------|-------------------------|-------------------|
| Ounces | 7.00 (0.01 ozf) | 17.00 (0.01 ozf) | - | - | - |
| Pounds | - | - | 4.400 (0.001 lbf) | 11.00 (0.01 lbf) | 44.00 |
| Capacity (Resolution) | Grams | 200.0 (0.1 gf) | 500.0 (0.1 gf) | - | - |
| | Kilograms | - | - | 2.000 (0.001 kgf) | 5.000 (0.001 kgf) |
| | Newtons | 2.000 (0.001 N) | 5.000 (0.001 N) | 20.00 (0.01 N) | 50.00 (0.01 N) |

SPECIFICATIONS

| | |
|-------------------------|---|
| Accuracy | up to ZTS/ZTA-220 $\pm 0.2\%$ F.S., ± 1 LSD; ZTS/ZTA-550 and up $\pm 0.3\%$ F.S., ± 1 LSD |
| Selectable Units | lbf(ozf), kgf(gf) or Newtons |
| Overload Capacity | 200% of F.S. (Overload indicator flashes beyond 110% of F.S.) |
| Power | Rechargeable Ni-MH battery pack or AC adapter |
| Battery Indicator | Indicates three charge states high, med and low |
| Memory | Non-volatile, recall up to 1,000 data |
| Setpoints | Programmable high/low setpoints w/ color-coded LEDs & output signal |
| Outputs | Outputs USB (virtual COM port), RS-232C, Digimatic and ± 2 VDC analog output |
| Operating Temp. | Operating Temp. 32° to 100°F (0° to 40°C) |

ADVANCED FEATURES (ZTA)

ZTA Additional Features

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

SOFTWARE

USB Software Capabilities

All new ZTS and ZTA gauges include the device driver and ZT Logger data acquisition software. ZT Logger can download data from the gauge memory or capture a continuous stream of data at 10 data/second. Zero the gauge or capture data while at the computer. All gauge programming can be set and saved from the software.

Optional Force Recorder Data Acquisition Software is designed to **capture up to 2,000 data per second**. No competitors' gauges come close to this speed! Other functions include, gauge programming, graph overlay feature, automatic statistics generation and force vs. displacement graphing (Pro version with ZTA and Imada FA test stand required).

