

Force Data Instruments



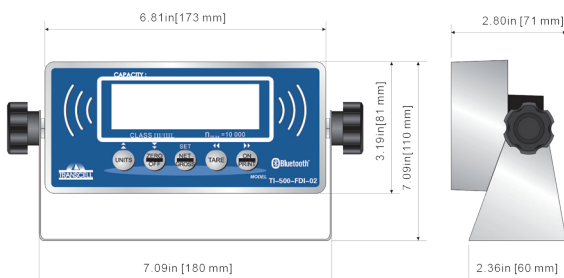
Features

- Output RS-232 (optional wireless Bluetooth)
- Stainless steel mounting bracket
- Display: easy to read 0.8" tall LCD w/LED backlight
- Full front panel configuration
- Displays up to 50,000 Graduations
- Time/Date
- Multipoint calibration: 7 tension, 7 compression
- Full front panel digital calibration
- Operates from AC wall adaptor (included), or 4-AA batteries
- Sampling Rate up to 1200Hz
- High quality/low cost
- Units: lbf, kgf, gf, ozf, Newtons
- Modes: Real time, peak tension, peak compression
- Enclosure: aluminum/ABS NEMA 12 enclosure

Specifications

Load Cell Excitation	3.3 VDC	Keyboard Functions	Units, Zero/off, Net/Gross, Tare, On/Print
Load Cell Current	Drives up to eight 350 Ω Load Cells	Annunciators	Gross, Net, kg, lb, Center of Zero, Stable, Tare, Negative, low battery
Analog Signal Input Range	+/- 3 mV/V max	Serial Port	Full Duplex RS-232C
Analog Sensitivity	0.3 μV/grad minimum	Power Requirement	4-14 VDC
Display Resolution	Up to 50,000 external grads	DC Power Consumption	50mA + 10 mA/350 Ω Load Cell
A/D Conversion Rate	FDI-01: 10/80Hz FDI-02: 2Hz - 1200 Hz	Dimensions	3.2"x 6.8"x 2.3"(81mm x 173mm x 60mm)
A/D Resolution	Up to 200,000 Internal Counts @ 3 mV/V	Operating Temperature	14°F to 104°F (-10°C to 40°C)
Display	0.8", 6 Digit LCD w/LED backlight	Warranty	1 year limited
Enclosure	Aluminum / ABS		

Dimensions



Introduction

Housed in a durable aluminum enclosure with a large, easy to read LCD display, the TI-500 FDI series are **high-resolution instruments** that are **simple to operate** and can handle a multitude of functions.

The ultimate in reliable performance and value, the TI-500 FDI-01 and FDI-02 can **interface to a variety of load cells**, and transmit data continuously, on demand, to a wide variety of peripheral devices. Smartphones, tablet, printers, remote displays and computers are just a few examples that seamlessly connect to the FDI series via its full duplex RS-232 port or optional Bluetooth modules.

The setup and calibration parameters are similar to other TI series instruments for familiar and reliable configuration, operation and maintenance. The unit can also be remotely operated via the serial port.

Options

Communication: Bluetooth