

TI-500SL Weighing Indicator



Introduction

The TI-500SL is a rugged, industrial, NTEP and Canadian certified digital indicator housed in a NEMA 4X stainless steel enclosure. It comes with a large 0.9" backlit LCD screen for easy readout of up to 50,000 display divisions, and supplies enough current for up to 4-350Ω load cells.

All setup parameters may be entered via the front panel keys. It uses full duplex RS-232 serial format for communication with many types of attached support equipment.

The TI-500SL is configured with a rechargeable lead acid battery. An AC adapter is included for continuous power operation and to recharge the lead acid battery.

Features

- Division: NTEP certified for 5000 divisions; OIML certified 3,000 for divisions
- Display Resolution: up to 50,000 external divisions
- Serial Port: full duplex RS-232C
- Bracket: stainless steel swivel bracket
- Display: backlit LCD
- Full front panel configuration
- Auto Shut-off: extends battery life
- Housing: NEMA 4x/IP65 stainless steel
- Load cells: drives up to 4 x 350 ohm load cells
- Digital calibration: full front panel calibration
- Power: AC adaptor or rechargeable lead acid battery
- Battery Life: 29 hours continuous use

* Battery life will vary depending on number and type of load cells used, duration of backlight, temperature, and other factors.

Specifications

Load Cell Excitation	+4.7 VDC	Annunciators	Gross, Net, kg, lb, Center of Zero, Stable, Tare, Negative
Load Cell Current	Drives up to four (4) 350 Ω load cells	Keyboard Functions	Units, Zero/Off, Net/Gross, Tare, On/Print
Analog Signal Input Range	+/- 3.125 mV/V (max.)	Power	12VDC, 1000 mA wall adaptor/charger
Sensitivity	0.3μV/grad, minimum 0.6μV/grad, min value recommended for "legal trade"	DC Power Consumption	50 mA + 13 mA/350 Ω load cell
A/D Conversion Rate	10 Hz / 80 Hz (selectable)	Battery	6-Volt 3Ah Internal Rechargeable Lead Acid
A/D Resolution	Up to 280,000 internal counts at 2 mV/V	Charging time	44 hours (fully discharged battery)
Display	0.9" , 6 Digit LCD with LED backlight	Indicator Dimensions	8.9" x 5.5" x 2.9" (231mm x 140mm x 72mm)
Display Resolution	Up to 50,000 external grads	NIST Classification	H-44 Class III at 5,000 Divisions, NTEP CC 94-080A3
Serial Port	Full Duplex RS-232C	Canadian Approval No.	AM-5800C
Warranty	1 year limited warranty applies	Operating Temperature	-10°C to 40°C (14°F to 104°F)

Dimensions

