

TI-1680 Weighing Indicator



Introduction

The TI-1680 is an NTEP and Canadian certified digital indicator housed in a stainless steel enclosure.

This indicator is designed to support many applications for the installer, yet maintain simplicity for the operator. Configure the 'F1' Key for Peak, Totalizing (Accumulation), Hold, and Live Weight or disable the 'F1' key to simplify operation. Dedicated keys are provided for checkweighing and batch weighing. The large LED display is easy to read. Stainless steel construction means it's washdown safe.

Standard communications included two RS-232 ports, one of which is configurable to USB. Many options are available including analog output, RS-485, Bluetooth, and WLAN.

Features

- Divisions: NTEP & Canadian certified for 10,000 divisions
- Display Resolution: up to 50,000 external divisions
- Serial Port: two full duplex RS-232C serial ports (one port can be configured to USB)
- Bracket: heavy duty stainless steel swivel bracket
- Display: large, easy to read LED
- Full front panel configuration
- Gross/Net/Tare- Print Ticket Mode with 6 digit ID number
- Tare and APW- Stored in Non-Volatile Memory
- Load cells: drives up to 12 x 350 ohm load cells
- Internal power supply
- Time & Date standard
- Units: lb, kg, g, oz, and custom
- Special Applications: Piece Counting, Remote Display, PeakHold, checkweighing, batching, accumulation, self-diagnostics, vehicle weigh-in/weigh-out
- Keyboard Tare and ID Entry
- 256 Truck ID Storage
- Programmable print format
- One Logic Level Input- for Remote control
- Four cutoff outputs- for batch weighing

Specifications

Load Cell Excitation	+5 VDC	A/D Resolution	Up to 260,000 internal counts at 2 mV/V
Load Cell Current	Drives up to twelve (12) 350 Ω load cells	Keypad functions	Units, Zero, Mode, Tare, Print, C/CE, F1, Set Point, Under, Over, ID, Enter, Dec.Pt, *, 0-9
Analog Signal Input Range	+/- 3.125 mV/V (max.)	Serial Port	Full Duplex RS-232C x 2
A/D Conversion Rate	10 Hz / 80 Hz (selectable)	Power	100-240 VAC, 50/60 Hz or 12 VDC
Sensitivity	0.3μV/grad, minimum 0.6μV/grad, min value recommended for "legal trade"	USB	2.0, full speed, peripheral
DC Power Consumption	200 mA + 15 mA/350 Ω load cell	NIST Classification	H-44 Class III/IIIL at 10,000 Divisions, NTEP CC 10-078
Display Resolution	Up to 50,000 external grads	Operating Temperature	-10°C to 40°C (14°F to 104°F)
Canadian Weights and Measures	General Class III at 10,000 divisions, AM-5801	Warranty	1 year limited warranty applies
Display	1" , 6-Digit LED, green with tri-color LED bar graph	Option	1. Analog Output: 16-Bit, 0-5VDC (active), 4-20mA (passive) 2. Communication: Bluetooth, RS-485, WLAN
Annunciators	Gross, Net, Tare, Zero, Under, Accept, Over, lb, kg, Stable, 01-04		

Dimensions

