

# TI-1600 SERIES



The TI-1600 Series are available in either an ABS NEMA 12 or a Stainless Steel NEMA 4X enclosure. These general purpose NTEP approved at 10,000 division digital indicators have a full numeric keypad for ease of data input. The TI-1600 and TI-1560 are equipped with a bright 1" LED display for easy viewing. Both units are capable of displaying up to 50,000 display divisions and supply enough current to drive 8-350  $\Omega$  load cells. This Series comes standard with a full duplex RS-232, simplex RS-232C and a simplex passive 20 mA current loop serial port.



# TI-1600 SERIES

## ENIGMA DIGITAL INDICATOR

### STANDARD FEATURES & BENEFITS

- ▷ Heavy Duty ABS NEMA 12 Enclosure (TI-1600)
- ▷ Heavy Duty Stainless Steel NEMA 4X Enclosure (TI-1620)
- ▷ NTEP and Canadian Approved for 10,000 Divisions
- ▷ Internal Power Supply
- ▷ Full Duplex RS-232 Serial Port
- ▷ Simplex RS-232 / 20mA Current Loop Serial Port
- ▷ Keyboard Tare Entry
- ▷ Tare and APW Stored in Non-volatile Memory
- ▷ Keyboard ID Entry
- ▷ Gross / Net / Tare Print Ticket Mode has 6 Digit ID number
- ▷ Easy to Read LED Display (TI-1600 & TI-1620)
- ▷ Piece Count Mode
- ▷ Custom Unit
- ▷ Time / Date Standard
- ▷ Displays up to 50,000 Graduations
- ▷ Drives up to eight 350 Load Cells
- ▷ Full Front Panel Configuration
- ▷ Heavy Duty Swivel Mounting Stand
- ▷ Watchdog Circuitry

### Specifications:

**Load Cell Excitation:** +10 VDC

**Load Cell Current:** Drives up to eight 350Ω load cells

**Analog Signal Input Range:** 0.2 mV/V min to 3.0 mV/V max

**Analog Sensitivity:** 0.4 V/grad, minimum

1.0 μV/grad recommended minimum for Legal-for-trade

**A/D Conversion Rate:** Up to 25 measures second

**CE Electromagnetic Compatibility:** Directive No. 89/336/EEC, EN50082-1, EN61000-4, EN55011

**Current Consumption:**

TI-1600/TI-1620: 200mA + 30mA per 350 Ω Load Cell

**A/D Resolution:** Up to 300,000 internal counts at 3 mV/V

**Canadian Weight & Measurements:**

General Class III at 10,000 divisions

Approval Number AM-5305

**Display:**

TI-1600/TI-1620: 1.0", 6-Digit LED, Green

**Display Resolution:** Up to 50,000 external grads, selectable

**NIST Classification:**

H-44 Class III / IIII at 10,000 divisions C.O.C. #99-017

**Key Functions:** Zero, Net/Gross, Tare, Units, Sample, APW, Dec. Pt., CL, 0-9

**Annunciators:** Zero, Tare, Gross, Net, lb, kg, Stable, Pieces

**Serial Output:** Full duplex RS-232C

Simplex RS-232C

Simplex 20mA Current Loop, Passive

**Power (Standard):** 110/220 VAC, 50/60 Hz

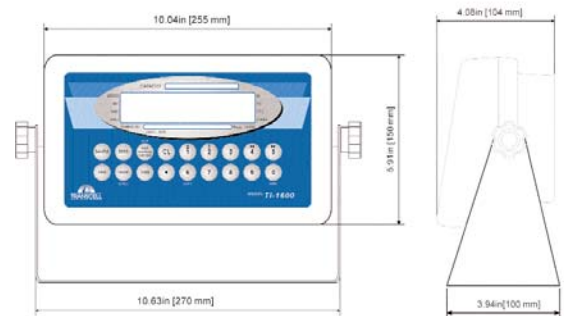
**Power (Optional):** 12VDC

**Operating Temperature:** -10°C to 40°C (14°F to 104°F)

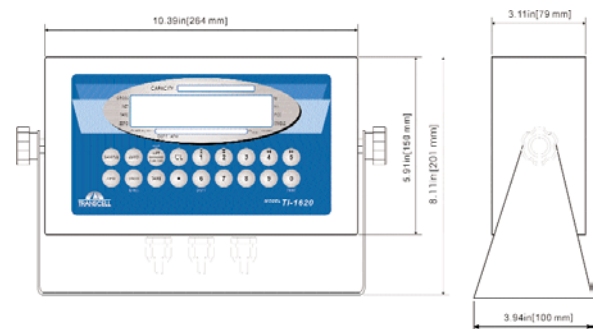
**Warranty:** 1 year limited warranty applies

### PHYSICAL DIMENSIONS

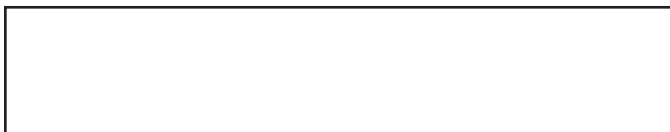
TI-1600



TI-1620



**YOUR AUTHORIZED TRANSCCELL DEALER IS:**



Specifications and features subject to change without notice.

REV 5-15-03



**TRANSCCELL TECHNOLOGY, INC.**

975 Deerfield Pkwy, Buffalo Grove, IL 60089

Tel (847) 419-9180 Fax (847) 419-1515

**(800) 503-9180**

www.transcell.net