

# TI-500ESS



## INDICATOR

The TI-500ESS is an NTEP and Canadian certified rugged industrial digital indicator housed in a stainless steel NEMA 4X enclosure. It comes with a large 0.6" LED display for easy readout of up to 50,000 display divisions, and has power for up to 4-350 $\Omega$  load cells. All setup parameters may be entered via the front panel keys and are shared with other TI series indicators for consistently easy and trouble free use and maintenance. The TI-500ESS uses full duplex RS-232 serial format for communication with many types of attached support equipment. The unit can transmit data on demand, or continuously in a popular data protocol to match a wide variety of printers, remote displays, or personal computers. A piece counting function is also included.



**TRANSCCELL TECHNOLOGY, INC.**

# TI-500ESS

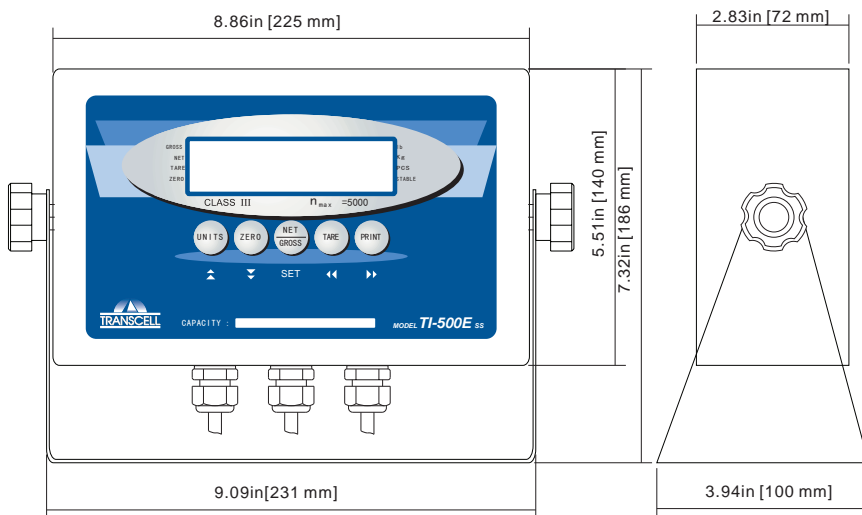
## Standard Features & Benefits:

- **DIVISIONS-** NTEP certified for 5,000 Divisions
- **CERTIFIED FOR USE IN CANADA**
- **SERIAL PORT-** Full duplex RS-232 Serial Port - demand or continuous
- **CONSTRUCTION-** Stainless Steel swivel stand
- **MULTI-POINT DIGITAL CALIBRATION**
- **FULL FRONT PANEL CONFIGURATION**
- **DISPLAYS-** Up to 50,000 Graduations
- **ENCLOSURE-** Stainless Steel NEMA 4x / IP65
- **STAND-** Stainless steel swivel stand
- **LOAD CELLS-** Drives up to four 350  $\Omega$  Load Cells
- **DISPLAY-** Easy to read LED
- **SIMPLE PIECE COUNTING FUNCTION**
- **HIGH QUALITY/LOW COST**
- **SPECIAL APPLICATIONS-** Piece Counting, Remote Display, Peak Hold, Animal Hold

## Specifications:

<b>Load Cell Excitation:</b> +5 VDC	<b>Keyboard Functions:</b> Units, Zero, Net/Gross, Tare, Print
<b>Load Cell Current:</b> Drives up to four 350 $\Omega$ Load Cells	<b>Annunciators:</b> Gross, Net, kg, lb, Center of Zero, Stable, Tare, Negative, PCS
<b>Analog Signal Input Range:</b> +/- 3.125 mV/V max	<b>Serial Port:</b> Full Duplex RS-232C Format
<b>Analog Sensitivity:</b> 0.3 $\mu$ V/grad, minimum 0.6 $\mu$ V/grad, recommended minimum for Legal-for-Trade	<b>Power Requirement:</b> 110/220 VAC, 50/60 Hz
<b>A/D Conversion Rate:</b> 10 Hz / 80 Hz Selectable	<b>DC Power Consumption:</b> 200 mA + 15 mA/350 ohm Load Cell
<b>A/D Resolution:</b> Up to 260,000 Internal Counts @ 2 mV/V	<b>Indicator Dimensions:</b> 9.0" x 5.5" x 2.9" (231mm x 140mm x 72mm)
<b>Display:</b> 0.6", 6 Digit LED Display	<b>Operating Temperature:</b> 14°F to 104°F (-10°C to 40°C)
<b>Display Resolution:</b> Up to 50,000 external grads	<b>Warranty:</b> 1 year
<b>NIST Classification:</b> H-44 Class III at 5,000 Divisions NTEP CC 94-080A3	
<b>Canadian Approval No.:</b> AM-5800C	

## Dimensions:



## Options:

- **Analog output:** 16-Bit, 0-5 VDC (active), 4-20 mA (passive)
- **Communication:** Bluetooth or RS-485
- **Time/Date & Programmable print format**

Version 1.9, 01/26/11

**TRANSCCELL TECHNOLOGY, INC.**

975 Deerfield Pkwy, Buffalo Grove, IL 60089  
Tel (847) 419-9180 Fax (847) 419-1515

**(800) 503-9180**

www.transcell.net

**YOUR AUTHORIZED TRANSCCELL DEALER IS:**

*Specifications and features subject to change without notice.*