



# TS600 SERIES INSTRUMENTS

## IDEAL FOR SINGLE SCALE PLATFORM, INBOUND/OUTBOUND VEHICLE WEIGHING



Store tares, create custom weigh tickets, and export transaction data with this reliable Thurman instrument made to meet the needs of Inbound/Outbound weighing operations.

[THURMANSCALE.COM](http://THURMANSCALE.COM)



CC#17-128

MC# AM-6073C

# TS600 SERIES

## INSTRUMENTS



### THE ECONOMICAL CHOICE FOR INBOUND/OUTBOUND WEIGHING

With Thurman TS600 Instruments, you don't have to pay for expensive features that are not applicable to your business. Thurman has taken the essential instrument functions used in sophisticated, high-traffic vehicle weighing and packaged them into economical, yet attractive steel enclosures perfect for office, industrial or washdown environments.

TS600 Instruments transmit weight data through a serial connection to a personal computer for scale software interfacing, or transfer .csv transaction files directly to a USB flash drive.

TS600 Instruments are smart enough to identify and match inbound and outbound vehicles, store up to 1,000 tare weights, capture truck identification, and print transaction tickets. They also integrate with all manufacturers' analog scales and popular traffic light controls.

These, and many other exciting features, make TS600 Instruments the perfect economical choice to replace an old or failed analog instrument, or create a new digital single platform weighing system.

**Stainless steel and powder coated NEMA 12 enclosure**

**Bright red, 16-segment LED with adjustable intensity**

**Raised keys provide tactile feedback and audible notification when pressed.**

**Desktop Enclosure**

**Washdown NEMA 4X Desktop/Wall Mount Enclosure**

**Panel Mount Enclosure**

**Front panel navigation keys**

**Full numeric keypad with oversized keys**

### Function Key Features *(See callouts above)*

- 1** TRAFFIC LIGHT CONTROLS — Complete manual traffic light control at the touch of a key.
- 2** TARE — Use to accept the displayed weight as the transaction Tare value.
- 3** IN / OUT — Use to obtain the Net weight of an incoming/outgoing vehicle by capturing its Gross and Tare values.
- 4** UNITS — Four selectable units of measure:
  - Pounds    • Kilograms
  - Tons      • Tonnes
- 5** B/G / NET — One-push selection from Gross weight to Net weight.
- 6** ZERO — Quickly “zero off” weight on the scale.
- 7** PRINT — Initiates basic print function.



## Standard Features

- Bright red, 16-segment, LED display
- Transaction export (CSV) functions
- Gross - Tare - Net weigh mode
- 100,000 completed transactions
- Inbound / Outbound weigh mode
- One programmable prompt
- Front panel traffic control

## Accessory Interfaces

### ACC 1

Internal Active or Passive 20 mA Interface

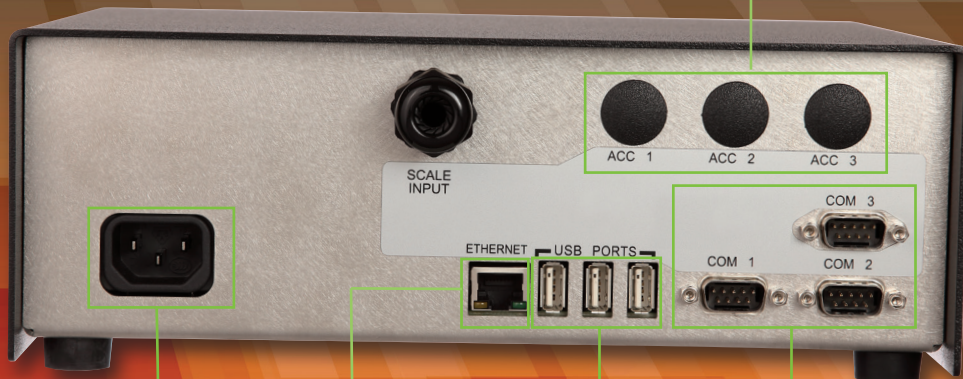
### ACC 2

Optional high res 4-20 mA or Traffic light interface card

### ACC 3

Remote switch controls four internal inputs:  
• Zero • Print • Tare • Gross / Net

All TS600 enclosure styles feature the same interfaces and ports shown below on the desktop model.



### Power Port

### Ethernet TCP/IP

One (1) Ethernet TCP/IP port for providing continuous weight data and access to the instrument using the web utility.

### USB

Three (3) standard USB 2.0 ports are available for connecting a USB keyboard and USB flash drives for data transport.

### Serial

Three (3) dedicated RS232C ports for connecting to computers, printers and other serial devices.

## Modes of Operation

### Gross - Tare - Net Mode

GTN mode allows the scale operator to process weighments with or without the use of a keyboard-entered Tare or Autotare by simply pressing the PRINT key.

### Inbound/Outbound Mode

This mode allows the Operator to weigh a vehicle "In" and temporarily store the transaction using a Loop ID (15 alphanumeric characters). When the vehicle returns to the scale to exit the facility, simply press the "Out" key to recall the Inbound weighment and complete the transaction with Gross, Tare and Net values. In/Out mode supports up to 1000 stored Tares.

### Basic In/Out Mode

This Basic In/Out mode is designed for applications in which no calculated NET weight is desired. After entering the scale, a loaded vehicle's weight is captured by pressing the GROSS PRINT button — an empty vehicle is captured by pressing the TARE PRINT button.



The TS600 can be used with any Thurman truck scale.



## Intalogix® Technology: Innovation at its best

Intalogix Technology is a unique method of digital load cell communications that works by converting a weak analog signal into a vastly stronger and more reliable digital interface. Regardless of the nature of

your application, Intalogix allows you to operate with an unsurpassed degree of resolution and accuracy. No other technology today comes close to achieving the digital advantages and lightning/surge protection of Intalogix.

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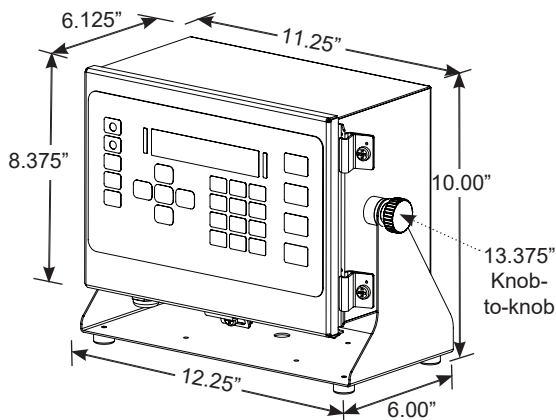
### SPECIFICATIONS

#### Enclosures:

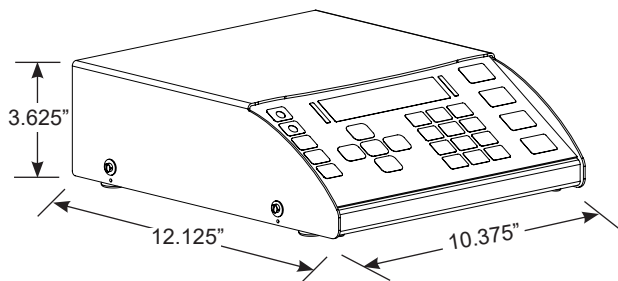
- Analog . . . . . Model TS601 - Desktop - Stainless steel and powder coated steel, NEMA 12  
Model TS602 - Desktop/Wall mount - Stainless steel, NEMA 4X  
Model TS603 - Panel mount - Stainless steel and powder coated steel, NEMA 4X
- Intalogix . . . . . Model TS611 - Desktop - Stainless steel and powder coated steel, NEMA 12  
Model TS612 - Desktop/Wall mount - Stainless steel, NEMA 4X  
Model TS613 - Panel mount - Stainless steel and powder coated steel, NEMA 4X
- Processor . . . . . 1 GHz Quad Core
- Memory . . . . . 1 GB
- On-board storage . . . . . 2 GB
- Number of scales . . . . . 1
- Display . . . . . Bright red, 16-segment, LED with adjustable intensity
- Units . . . . . lb, kg, ton and tonne
- Keypad . . . . . Oversized keys: 0-9, Decimal point, Enter, 9 control keys
- Loop ID/Truck ID . . . . . Up to 15 alphanumeric characters
- Load cells . . . . . 10 350 ohm cells, 16 1000 ohm cells
- Remote switch inputs . . . . . Zero, Print, Tare, Gross/Net
- Power requirements . . . . . 100 to 130 VAC or 200 to 260 VAC; 50/60 Hz
- Outputs . . . . . Three (3) RS232C ports,  
Three (3) USB 2.0 ports,  
One (1) dedicated optically isolated 20mA  
One (1) RJ45 Ethernet TCP/IP
- Clock . . . . . Real time clock, 12-hour a.m./p.m.,  
Date (month/day/year)
- Displayed characters . . . . . 0.80" tall

- Display resolution . . . . . 10,000 divisions commercial,  
50,000 divisions for non-commercial
- Capacity . . . . . Programmable to 999,999
- Displayed units . . . . . 4 primary and 4 secondary
- Programmable fields . . . . . 1
- Stored tares . . . . . 1,000
- Transaction records . . . . . 100,000
- Humidity . . . . . 0 to 90% (TS601, TS611)  
0 to 100% (TS602, TS603, TS612, TS613)
- Accuracy . . . . . Class III/IIIL
- Accessories . . . . . 4-20 mA (passive, 16 bit),  
Traffic light control card,  
Peripheral devices:  
Ticket printer, tape printer, remote displays,  
traffic light, traffic light control box,  
105 key QWERTY keyboard,  
87 key QWERTY keyboard
- Approvals . . . . . NTEP CC# 17-128, MC# AM-6073C, ETL

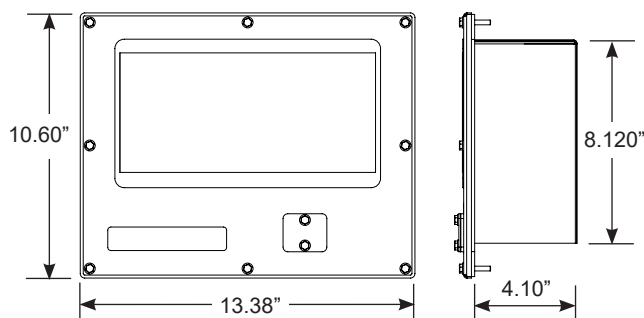
### NEMA 4X WASHDOWN ENCLOSURE (MODELS TS602 AND TS612)



### DESKTOP ENCLOSURE (MODELS TS601 AND TS611)



### PANEL MOUNT ENCLOSURE (MODELS TS603 AND TS613)



**(800) 688-9741**

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