



TS255 SERIES INSTRUMENTS

INDUSTRIAL INSTRUMENT WITH KEYPAD AND ADVANCED FUNCTIONS



*Versatile industrial desktop instruments with full numeric keypad for use in floor scale
and tank scale applications, as well as mechanical truck scale conversions.*

THURMANSCALE.COM



CC# 15-099

MC# AM-6002



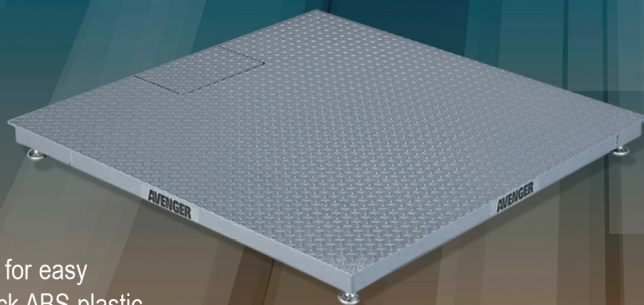
TS255 SERIES

KEYPAD INSTRUMENT



The TS255 stainless steel enclosure meets general food and other industrial washdown requirements. It can be used in floor scale applications that require NEMA 4X rated weighing equipment.

For floor scale applications in dry environments, the TS250 ABS composite enclosure and mild steel Avenger® Floor Scale (shown below) are recommended.



TS255 ABS Enclosure

Thurman Scale's TS255 Series Instrument with keypad for easy ID entry and configuration is available in a rugged black ABS plastic or 304 series stainless steel enclosure. It is the perfect companion for Thurman's Avenger® floor scales and is equally reliable when used with tank scales or mechanical truck scale (single load cell) conversions.

Enclosure Types

- **304 Stainless Steel** with NEMA 4X rating.
- **ABS Plastic** is heat, impact and chemical resistant.

Instrument Accessories

BATTERY POWER Five (5) "D" cell battery pack available for 304 Stainless NEMA 4X and ABS models.

4-20 mA MODULE The 4-20 mA Module provides an analog input for PLCs, data loggers or other controllers.

FIELD BUS INTERFACES Thurman offers popular fieldbus interfaces, such as DeviceNet, PROFIBUS-DP, Ethernet/IP or Ethernet/TCP to connect the TS255 Instrument to PLCs /PCs.



External DB9 output on ABS model



Function Key Features

- 1 ON/OFF** — One touch to power instrument up or down.
- 2 ZERO** — Quickly zero off weight on the scale.
- 3 PRINT** — Custom or standard print formats. This key also used to set time, date, and peak hold operations
- 4 FULL NUMERIC KEYPAD** — For quick entry of Tare weights and numeric IDs.



FULL NUMERIC KEYPAD FOR QUICK ENTRY OF TARE WEIGHTS AND NUMERIC IDs.



5 TARE — Used to enter container weight.

6 ID ENTRY / SCROLL LEFT — Dual purpose key for left scrolling and numeric ID.

7 UNITS — Five selectable units (lb, kg, oz, g, lb-oz) and one programmable custom unit. Units key also used with piece count and accumulation features.

8 B/G / NET — One-push selection from Gross weight to Net weight. Also used during accumulation, piece count and sleep timer operations.

Stainless steel swivel bracket (included with all models)



TS255 CUSTOMIZATION

TS255 Series Instruments can be customized to meet your specific operational needs.

CUSTOM TICKET FORMAT

A distinct ticket format can be configured to allow the TS255 to print information that meets your requirements.

CUSTOM UNITS

Many applications are unique and require a unique unit of measure. The TS255 can accommodate these needs with this feature.

PROGRAMMABLE RS232 OUTPUT

The TS255 RS232 Output can be configured to provide serial data in a customer specified format.

MULTI-POINT CALIBRATION

The TS255's Multi-point Calibration function helps eliminate various linearity problems associated with platforms and tank applications.

ADVANCED FUNCTIONS



Easy-to-use piece counting function.

PIECE COUNTING

The TS255 has a standard piece counting feature that turns any scale into a basic counting scale. This feature minimizes the time it takes to count parts. See sample display above.

ACCUMULATION

This feature allows users to continuously store individual weight reading and count/total the readings whenever desired. It also minimizes or eliminates the time-consuming task of manually tracking weight.

STRESS TESTING

Certain manufacturers are required to **stress test** products. The TS255 is designed to easily accomplish this task. The unit captures the highest (or peak) weight reading and stores it. The printable reading remains stored until it is manually cleared or a higher peak weight is captured by the instrument.

Also known as Peak Hold, this feature provides stress test analysis that is required for ISO documentation.

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EXPERIENCE THE POWER OF THURMAN

IT'S THE SUPERIOR CHOICE

In addition to its broad line of vehicle scales and heavy capacity weighing equipment, Thurman Scale manufactures rugged and dependable products for customers with industrial weighing needs. Since 1819, Thurman has focused its efforts into building superior products and delivering complete customer satisfaction. That's why we believe you'll find Thurman to be the most valuable choice for all your weighing needs.

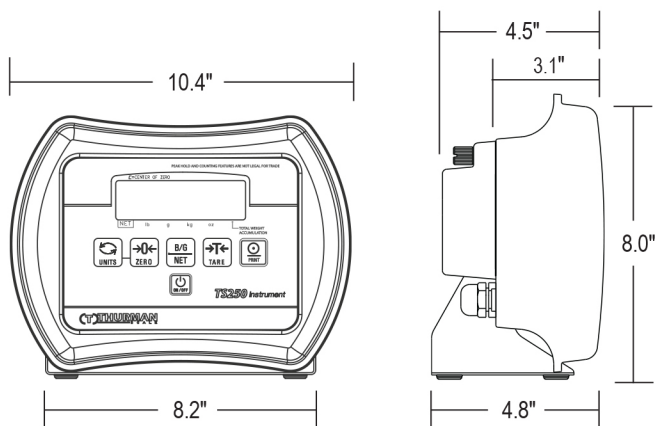
SPECIFICATIONS

Display	1.0" high, 6-digit, green backlit LCD
Enclosure	Black ABS plastic, NEMA 1 rated Stainless steel, NEMA 4X rated
Pushbutton Keys	0-9, Decimal, Enter, ID/Left arrow, Right arrow, Menu, Zero, Print, Units, Tare, On/Off, B/G Net
Units	lb, kg, oz, g, lb-oz or custom
Capacity	Selectable 0 to 999,999
Graduation Size	0.0001 to 50
Load Cells	Up to eight 350 Ω cells or 16 1000 Ω cells
Power Requirements	Choice of AC or AC/DC (requires 5 "D" cell batteries),

Battery life (backlight enabled)	One 350 Ω load cell - 58 hours, Four 350 Ω load cells - 33 hours
Mounting	Desk / Wall mount stand (all models)
Output	COM1 (standard): RS232, RS422, RS485 COM2 (standard): RS232, RS422, RS485 and 20 mA; External DB9 on ABS model
Remote switch inputs	Print, Tare, Gross/Net, Units, Zero
Accessories	DeviceNet, 4-20 mA module, PROFIBUS-DP, Ethernet/IP, Ethernet/TCP, ControlNet,
Approvals	NTEP CC# 15-099, MC #AM-6002, ETL

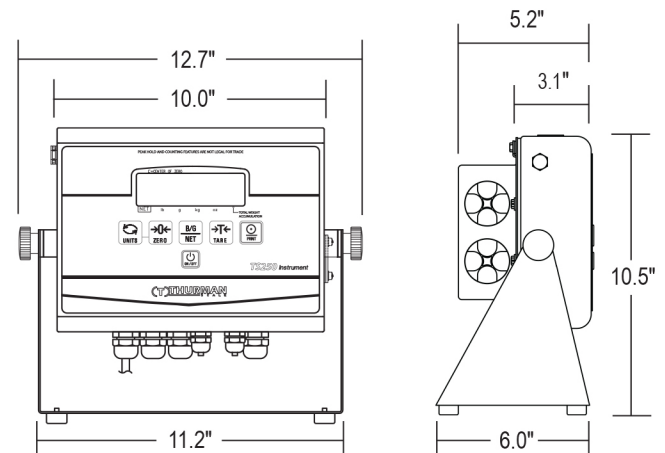
ABS PLASTIC ENCLOSURE

(Stainless steel bracket included — Battery power optional)



NEMA 4X STAINLESS STEEL ENCLOSURE

(Stainless steel bracket included — Battery power optional)



(800) 688-9741

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