



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Indicating Element
Digital Electronic
Model: TS30
 $n_{\max}$: 10 000
Accuracy Class: III/III L

***Submitted By: Contact Info. Updated April 2024**

Intercomp Co.
3839 County Road 116
Medina, MN 55340
Tel: 763-476-2531
Contact: Matt Young
Email: matt@intercompcompany.com
Web site: www.intercompcompany.com

Standard Features and Options

- Automatic Zero Tracking (AZT)
- Semi-Automatic Zero (Push Button)
- Keyboard Tare
- Gross Net Display
- Touch Screen
- Internal printer
- 120 Volt AC power
- Connects to Intercomp scales via wired or wireless communication
- Multiple Tare Memory (vehicle tare)
- Power Saving Feature (Sleep Mode)
- Power Saving Feature (Auto Shut Off)
- DC power (Internal rechargeable Battery 15 VDC)
- Weight Accumulation Feature
- Color Graphic LCD
- Multiple weighing elements
- Unit Conversion Key (lb / kg)

This device was evaluated under the National Type Evaluation Program and was found to comply with the applicable technical requirements of *Handbook 44: Specifications, Tolerances and Other Technical Requirements for Weighing and Measuring Devices*. Evaluation results and device characteristics necessary for inspection and use in commerce are on the following pages. *Editorial changes, not affecting the type or metrological content, corrected this certificate.

Hal Prince
Chairman, NCWM, Inc.

Craig VanBuren
Chair, NTEP Committee
Issued: March 18, 2021

1135 M Street, Suite 110 / Lincoln, Nebraska 68508

The National Conference on Weights and Measures (NCWM) does not approve, recommend or endorse any proprietary product or material, either as a single item or as a class or group. Results shall not be used in advertising or sales promotion to indicate explicit or implicit endorsement of the product or material by the NCWM.



Intercomp Co.
Indicating Element / TS30

Application: A general purpose indicating element used for general purpose weighing designed to be interfaced with NTEP certified and compatible Intercomp devices.

Identification: A pressure sensitive adhesive label showing void when removed is on the face of the indicator.

Sealing: The TS30 uses a category 3 event logger the event logger defined as “NTEP Log” can be accessed in the following manner.

To Access the NTEP log, click on the Master Settings button located in the lower left corner of the More screen. When prompted, enter the password "Log". The NTEP Log will displayed as shown in the following screenshot.

Id	Date	Time	Log
16	2021-03-02	14:15:51	SC#6 Latitude set 90
15	2021-03-02	14:15:46	SC#6 Altitude set 6000
14	2021-03-02	14:15:41	SC#6 AZT set 3
13	2021-03-02	14:15:35	SC#6 Zero Range set 1
12	2021-03-02	14:15:24	SC#1 Renum to 6
11	2021-03-02	14:15:19	SC#1 Av. Rate set 18
10	2021-03-02	14:15:11	SC#1 Zeroed
9	2021-03-02	14:14:44	Set to Static

The NTEP log maintains records of calibration changes, unit changes and scale type changes. The NTEP log functions as an audit trail when the TS30 is operating in NTEP mode.

Records can be searched by entering specific date and time ranges in the Start and End boxes located in the upper left corner of the screen. Use the Up and Down Arrows located on the right side of the screen to scroll through the records displayed on the screen. When finished, press the OK button to exit the NTEP log screen.

Test Conditions: A model TS30 indicating element was submitted for evaluation. The emphasis of this evaluation was on device design, operation, and print format. A model TS30 Indicating element was interfaced to four Intercomp wheel-load weighers that received input from load cell simulators. The indicating element was tested for interference from one complete device to another and to determine that the signal is sent and received by the appropriate weighing element. The device was tested for power interruption as well as print format. Additionally, the device was tested with a power supply of 85 VAC to 264 VAC and 8.5 VDC to 16.4 VDC. The Category 3 Event logger was verified for correct function. There is no Analog to Digital conversion in the TS30, the Analog to Digital conversion is contained in the wheel-load weighers or other compatible scales so environmental testing was waived.

Evaluated By: J. Gibson (OH)

Type Evaluation Criteria Used: *Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, 2020 Edition. *NCWM Publication 14: Measuring Devices*, 2021 Edition.

Conclusion: The results of the evaluation and information provided by the manufacturer indicate the device complies with applicable requirements.

Information Reviewed By: D. Flocken (NCWM)

Examples of Device:



Intercomp Co.
Indicating Element / TS30

TS30



Vehicle weighing screen

Information		New	Vehicle	49%
		Toggle Between Fields		
Plate		AX 1: 18000 lb		DETAIL LEVEL
Class		Single: 18000 lb		
Vin		AX 2: 17600 lb		
		AX 3: 17400 lb		
		Tandem: 35000 lb		
		AX 4: 18400 lb		
		AX 5: 18800 lb		
		Tandem: 37200 lb		TARE TAG
Zero All Scales	Save Vehicle	GVW: 90200 lb		TARE
Open Vehicle Record	Print Ticket			