



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For: Indicating Element, Digital Electronic Model: PT20 $n_{\max}$: 10 000 Accuracy Class: III/IIIL	*Submitted By: Contact Info. Updated April 2024 Intercomp Co. 3839 County Road 116 Medina, MN 55340 Tel: 763-476-2531 ext.321 Contact: Matt Young Email: matt@intercompcompany.com Web site: www.intercompcompany.com
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Standard Features and Options**PT20 Indicating Element:**

- General purpose class III/IIIL indicator designed to be interfaced with NTEP certified and compatible Intercomp devices
- Connects to Intercomp scales via a wired or wireless Digital Load Cell input
- Semi-automatic (push-button) Zero
- Initial Zero Setting Mechanism (IZSM)
- AC/DC Power Adapter
- 6 – Multi-channel Inputs (for additional weighing elements)
- Integrated Tape Ticket Printer
- Accumulates Axle Weights for a Total Vehicle Weight
- Outputs: RS232, USB, USB flash drive, analog, relays
- lb/kg conversion
- Automatic Zero Setting Mechanism (AZSM)
- 12 VDC Battery Operation (rechargeable)
- Multi-point Calibration

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

This device was evaluated under the National Type Evaluation Program and was found to comply with the applicable technical requirements of "NIST 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.

Kristin Maecy
Chairman, NCWM, Inc.

Jerry Buendel
Chairman, National Type Evaluation Program Committee
Issued: September 29, 2016

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**Intercomp Co.**

Indicating Element / PT20

Application: A general-purpose indicating element to be interfaced with NTEP certified and compatible Intercomp devices.

Identification: The indicator identification badge can be found on the front panel.

Sealing: The Model PT20 calibration switch is located inside the device. Access to the switch is prevented with a security seal threaded through two drilled head screws located on the front panel. The drilled head screws are on the right side of the device. When in calibration mode, an indication of “CAL” is displayed on the indicating element.

Test Conditions: This Certificate supersedes Certificate of Conformance Number 12-108 and is issued to remove the analog interface feature from the certificate as it is no longer used by the manufacturer. NTEP reviewed the test conditions and information provided by the manufacturer. No additional testing was deemed necessary. The previous test conditions are listed below for reference.

Certificate of Conformance Number 12-108: This Certificate supersedes the indicating element portion of Certificate of Conformance Number 01-053 and is issued to include a wireless communication feature and to separate the model PT20 from the NTEP Certificate of Conformance Number 01-053. The emphasis of this evaluation was on the device design, performance, multi-channel input capability, summing capabilities, print format and wireless communication. The PT20 was interfaced with a load cell simulator and a Citizen CMP-20 BTU wireless printer.

Certificate of Conformance Number 01-053: Two Model AX900 (7' x 32", 30 000 lb x 50 lb) steel weighing elements were evaluated electronically attached to an Intercomp Model PT 20 digital indicating element. Several increasing/decreasing and shift load tests were conducted using 44 000 lb of known test weights. Each weighing element was tested to capacity (30 000 lb). The Model PT 20 indicating element was evaluated for device design, performance, multi-channel input capability, summing capabilities, print format, and compliance with influence factor requirements. The device was also tested over a voltage range of 7.2 VDC to 13.2 VDC. The separate A/D converter module was interfaced to a load cell simulator and the Model PT 20 indicating element, and tested over a temperature range of -10 °C to 40 °C (14 °C to 104 °F). A permanence test was performed using the minimum use criteria requirements and re-tested as described above.

Evaluated By: G. Castro (CA) and K. Jones (CA) 01-053, E.A. Payne, Jr (MD) 12-108

Type Evaluation Criteria Used: NIST, Handbook 44: Specifications, Tolerances and Other Technical Requirements for Weighing and Measuring Devices, 2016. NCWM, Publication 14: Weighing Devices, 2016.

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

Information Reviewed By: J. Truex (NCWM) 12-108, 12-108A1

Example of Device:

