



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Wheel-Load Weigher
Digital Electronic
Model: PT300
 n_{max} : 400 e_{min} : 20 kg / 50 lb
Capacity: 20,000 x 50 lb * see below
Platform: 12 inches x 12 inches * see below

Class III

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

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Standard Features and Options

- *Optional Capacities: 10 000 x 50 lb
10 000 x 20 kg
5 000 x 20 kg
- *Optional platform sizes: 10 inches x 11 inches, or 10 inches x 14 inches

- Semi-Automatic Zero
- Automatic Zero Tracking (AZT)
- Liquid Crystal Display
- Pound/Kilogram Conversion
- Solar Battery Recharging
- Wireless Communication

Load cells used: (2) Intercomp model PT300-03 (Class III Non-NTEP certified)

Note: A specifically designed pad provided by the manufacturer was used to distribute the load and simulate pneumatic tire loads during laboratory testing.

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.

Ivan Hankins
Chair, NCWM, Inc.

Hal Prince
Chair, NTEP Committee
Issued: April 15, 2022

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Intercomp Co.
Wheel-Load Weigher / PT300

Application: For use in law enforcement as a wheel-load weigher either individually or in pairs or for the collection of statistical information. Special application is noted on the identification plate, marked "Wheel Load Weigher".

Identification: Identification information is marked on the display face. Serial number is stamped on the front of the base.

Sealing: A lead and wire security seal is to be threaded through the two screws on the right front corner of the scale that fasten the cover of the weight display.

Test Conditions: This Certificate supersedes Certificate of Conformance number 90-106PA4 and is issued to list the load cell type per NTEP policy and manufacturers information. No additional testing was deemed necessary. Previous test conditions are listed below for reference.

Certificate of Conformance 90-106PA4: This certificate supersedes Certificate of Conformance Number 90-106PA3 and was issued to update the Application statement. Previous test conditions are listed below for reference. No additional testing deemed necessary.

Certificate of Conformance 90-106PA3: This certificate supersedes Certificate of Conformance 90-106PA2 and is issued to add a solar battery recharging option and wireless communication capability. (2) PT300 wheel load weighers interfaced with an Intercomp RFX indicator (NTEP CC 12-118), and a specifically designed pad measuring 8 inches x 8 inches to distribute the load and simulate pneumatic tire loads during laboratory testing were submitted for evaluation. Several increasing tests using 19 900 lb of known test weights at 3.85 VDC to 6.6 VDC and return to zero tests were performed. The wireless checklist found in NCWM Publication 14 was used to check for compliance with wireless requirements. No other testing was deemed necessary per information provided by the manufacture. Previous test conditions are listed below for reference.

Certificate of Conformance 90-106PA2: This certificate supersedes Certificate of Conformance 90-106PA1 and is issued without testing to clarify the fact that a specifically designed pad provided by the manufacturer was used to distribute the load and simulate pneumatic tire loads during laboratory testing.

Certificate of Conformance 90-106PA1: This certificate supersedes Certificate of Conformance 90-106P and based on information provided by the manufacturer, is issued without testing to add a smaller capacity in lb units and to add the equivalent capacities and division sizes in kg units. Smaller platform sizes were also added to this Certificate without additional testing.

Certificate of Conformance 90-106P: Two wheel-load weighers were tested initially in the laboratory using 20,000 lb of known test weights. Several increasing/decreasing load tests were performed on the scales both individually and in pairs. The scales were tested in an out-of-level condition using 18,900 lb of test weight. The scales were tested over a temperature range of -10 to 40°C (14-104°F). The zero change with temperature was also tested. The results of the evaluation indicate the wheel-load weighers comply with the applicable requirements of Handbook 44.

This certificate is issued based upon data provided by the manufacturer and test data collected in an NTEP lab.

Evaluated By: B. Badenhop, L. Rine & J. Truex (OH) 90-106P; W. West (OH) 90-106PA1; T. Buck, D. Walker (OH) 90-106PA3
M. Manheim (NCWM) 90-106PA4, 90-106PA5

Type Evaluation Criteria Used: *NIST Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, 2014 Edition. *NCWM Publication 14 Weighing Devices*, 2014 Edition.

Conclusion: The results of the evaluations and information provided by the manufacturer indicate the devices comply with applicable requirements.

Information Reviewed By: S. Patoray, L. Bernetich (NCWM) 90-106PA1; J. Truex (NCWM) 90-106PA2, 90-106PA3; D. Flocken (NCWM) 90-106PA4, 90-106PA5



Intercomp Co.
Wheel-Load Weigher / PT300

Examples of Device:



PT300 with solar battery charger