NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:
Wheel-Load Weigher
Digital Electronic
Model: LP788
n_{max}: 440 / 500
e_{min}: 50 lb / 20 kg
Capacity: 22 000 x 50 lb / 10 000 kg x 20 kg
Platform: 26 in. x 15.5 in. x 0.91 in.
Accuracy Class: IIII

Submitted By:
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Standard Features and Options

- Automatic Zero tracking (AZT)
- Power Saving feature
- Semi-Automatic Zero Setting Mechanism (Push Button)
- DC power (rechargeable battery)
- Liquid Crystal Display
- Alphanumeric Display
- Wireless communication (RF)
- External unit conversion (lb to kg)
- 12 VDC connection for direct power or charging
- RS-485 communications port
- Solar Battery Recharging

Load Cells Used:
Intercomp Company Model: 5201536 (Non-NTEP certified)

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.

Kevin Schnepp
Chair, NCWM, Inc.

Marc Paquette
Chair, NTEP Committee
Issued: September 19, 2025

Intercomp Co.
Wheel-Load Weigher / LP788

Application: For use in law enforcement as a wheel-load weigher either individually or in pairs or for the collection of statistical information.

Identification: All required markings are on a plate riveted to the wheel load weigher above the weight display.

Sealing: The device has a category 1 physical seal only. There is a wire security seal threaded thru two drilled fillister head screws. This prevents removal of the screws and prevents access to the calibration switch.

Test Conditions: This certificate supersedes Certificate of Conformance Number 18-044PA3 and was issued to correct the platform height from 0.82" to 0.91".

Certificate of Conformance Number 18-044PA3: This certificate supersedes Certificate of Conformance Number 18-044PA2 and was issued to correct the aluminum plate size used to simulate a pneumatic tire; the plate is 12 in x 22.5 in x 2 in aluminum plate

Certificate of Conformance Number 18-044PA2: This certificate supersedes Certificate of Conformance Number 18-044PA1 and was issued to correct the aluminum plate size used to simulate a pneumatic tire, the plate is 15 in x 22.5 in x 2 in aluminum plate.

Certificate of Conformance Number 18-044PA1: This certificate supersedes Certificate of Conformance Number 18-044P and was issued to update device type in the For: Box to Wheel-Load Weigher and update the Application statement. Previous test conditions are listed below for reference. No additional testing deemed necessary.

Certificate of Conformance Number 18-044P: The emphasis of this evaluation was on the device design, operation, marking requirements, and performance. Two model LP788 22 000 x 50 lb / 10 000 kg x 20 kg were submitted and evaluated in the laboratory. A 10 in x 18 in x 2 in aluminum plate was used to distribute the load and simulate a pneumatic tire during the evaluation. Several increasing tests were performed with calibrated test weights and with a Morehouse proving ring. A 22 000 lb / 10 000 kg scale was tested out of level up to and including 5% rise over run in four directions. Two scales were tested in pairs using calibrated test weights and a Morehouse proving ring. The scales were evaluated with DC voltage at 3.65 VDC, 4.7 VDC and 5.3 VDC and external unit conversion. The remote indicator Intercomp Model: PT-20 with the integral printer (CC 12-108A1) was used to evaluate the wireless communication, summing feature, and zero function of the scales. After laboratory performance testing, the scales were sealed for permanence testing. When all of the permanence requirements were met, several tests were repeated with calibrated test weights. This certificate is based upon data provided by the manufacturer and test data collected at ambient temperature in the Ohio NTEP laboratory.

NOTE: This certificate is issued as a provisional NTEP Certificate of Conformance (CC). This evaluation is based on the current draft checklist, procedures and technical policy contained in NCWM Publication 14 for this Device type. When work on the NCWM Publication 14 section for this device is completed, the test report and this NTEP CC will be reviewed. If all current requirements have been met by this evaluation, the provisional status will be removed.

Evaluated By: T. Buck, K. Johnson, J. Gibson (OH); M. Manheim (NCWM) 18-044PA1; J. Gibson (NCWM) 18-044PA2 (CN 11151), 18-044PA3 (CN 11189); B. Maser (NCWM) 18-044A4 (CN 11563)

Type Evaluation Criteria Used: *Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, 2018 Edition. *NCWM Publication 14: Measuring Devices*, 2018 Edition.

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) 18-044P; D. Flocken (NCWM) 18-044PA1, 18-044PA2, 18-044PA3; J. Gibson (NCWM) 18-044A4

Intercomp Co.
Wheel-Load Weigher / LP788

Example of Device: