



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Wheel-Load Weigher
Digital Electronic
Model: LTR788
 n_{max} : 300 per platform
 e_{min} : 50 lb / 20 kg
Capacity: 15 000 x 50 lb per platform
Single- Platform : 12.75 in. x 15.5 in. x 0.86 in.
Dual Platform Total: 26 in. x 15.5 in x 0.86 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
- Dual weighing platforms
- Summing of dual platforms

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.

Gene Robertson
Chair, NCWM, Inc.

Mahesh Albuquerque
Chair, NTEP Committee
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Intercomp Company
Wheel-Load Weigher / LTR788

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 adhered 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.

Operation: The Intercomp Model LTR788 has two 15,000 lb x 50 lb capacity platforms in one Wheel-Load Weigher. The device can display a single platform weight or both platform weights summed together to give the weight on one vehicle tire or two vehicle tires. The LTR788 can also use the TS 30 Indicating Element (Certificate of Conformance 21-024) as a remote display and zero capability.

Test Conditions: The emphasis of this evaluation was on the device design, operation, marking requirements, and performance. A model LTR788 15 000 lb x 50 lb / 7 500 kg x 20 kg per platform was submitted. A 12 in x 1in x 2 in aluminum plate was used to distribute the load and simulate a pneumatic tire during the evaluation. Multiple increasing tests were performed with calibrated test weights and a calibrated hydraulic press. The device was tested out of level up to and including 5% rise over run in four directions. A scale was tested using calibrated test weights. The scale was evaluated with DC voltage at 3.65 VDC, 4.7 VDC and 5.3 VDC and external unit conversion. The remote indicator Intercomp Model: TS-30 with integral printer (CC 21-024) was used to evaluate the wireless communication, summing feature and zero function of the device. The scales were sealed for permanence testing upon completion of permanence requirements were met several increasing tests were repeated with calibrated test weights. This certificate is based upon data provided by the manufacturer and test data collected at ambient temperature at the manufacturer's facility.

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 this evaluation has met all current requirements, the provisional status will be removed.

Evaluated By: J. Gibson (NCWM) 24-034P (CN 10933)

Type Evaluation Criteria Used: *Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, 2024 Edition. *NCWM Publication 14: Measuring Devices*, 2024 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) 24-034P

Example(s) of Device:



LTR788