

***National Type Evaluation Program
Certificate of Conformance
for Weighing and Measuring Devices***

For:

Weighing/Load Receiving Element, Platform
Load Cell Electronic
Model: WHPT-3 and WHPT-5
 n_{\max} : 3000 d
 e_{\min} : 1 lb
Capacity: 3 000 lb and 5 000 lb

Accuracy Class III

Submitted by:

Ravas Europe B.V.
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Standard Features and Options

The xxxx in the model identification represents non metrological information

- This device consists of a pallet jack truck with 4 load cells incorporated into the trucks original forks with an additional steel cover over each arm for load receiving.
- This device is incorporated with electronic side/off level sensors that inhibit the weight indication if the weight/load causes the device tilt or to be off level to one side or the other.

Fork Size: 27" wide (outside to out side) X 48" long

Level bubble or mercury switch.

Indicating Element: Ravas Model 3100 (Certificate of conformance number 05-xxx) or compatible NTEP certified equivalent.

Load cells: Transcell Technology Model SBS-2.5K (Certificate of Conformance number 95-146) or compatible NTEP certified equivalent.

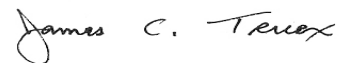
Option: Printer

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

This device was evaluated under the National Type Evaluation Program (NTEP) 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.



Don Onwiler
Chairman, NCWM, Inc.



James C. Truex
Chairman, National Type Evaluation Program Committee
Issue date: January 10, 2006

Ravas Europe B.V.
Weighing/Load Receiving Element
Model: WHPT-3 and WHPT-5

Application: General purpose weighing when attached to an approved compatible indicator.

Identification: The adhesive label with the required information is adhered to the angled right side frame that starts at the top of the arm and goes to the point of attachment of the indicator base.

Sealing: The junction box located in the column can be sealed by applying a wire security seal through the two drilled head screws.

Test Conditions: A 5 000 lb x 2 lb, model WHPT-5 and 3 000 lb x 1 lb, model WHPT-3 pallet jack weighing elements interfaced with a Ravas Europe B.V. Model 3100 indicator (Certificate of conformance number 05-xxx) were submitted for evaluation. The emphasis of the evaluation was on the design, marking requirements and performance of the weighing element. Each model was tested using 5 000 lb (WHPT-5) or 3 000 lb (WHPT-3) of known test weight to perform increasing/decreasing loads and shift tests. Limited shift tests could be performed from side to side do to the limit switches inhibiting the weight display when the device tilted from side to side. Permanence test of 300 weighments consisting of 3 000 lb each was conducted over a 20 day period. The 3 000 lb of weight was raised and lowered and the pallet jack was moved around with and without the weight on it. Additional increasing/decreasing and shift tests were conducted after the permanence period.

Evaluated By: T. Lucas (OH)

Type Evaluation Criteria Used: NIST Handbook 44, 2005 Edition, NCWM Publication 14, 2005 Edition

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

Reviewed By: S. Patoray, L. Bernetich (NCWM)