



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Weighing/Load Receiving Element
Counter/Bench Scale Weighing Element
Model: HIWDPS-xxxx
 n_{max} : 5 000
 e_{min} : 0.002 lb (see below)
Capacity: 6 lb to 1 000 lb
Platform: 10" x 10" to 24" x 24"
Accuracy Class: III

***Submitted By: Contact Info. Updated December 2018**

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Standard Features and Options

*Capacity x division may range from 6 lb x 0.002 lb to 1000 lb x 0.2 lb (in no case more than 5000 divisions)

Platform Size Ranges:

- 10" x 10" to 24" x 24"

Load Cells Used:

- Teda Huntleigh Model 1250 (Certificate of Conformance Number 89-054A1) or Metrologically Equivalent NTEP Certified Load Cell, or
- HBM Model PWS Family (Certificate of Conformance Number 92-099) or Metrologically Equivalent NTEP Certified Load Cell

The xxx preceding and following the model numbers represent non-metrological differences and are for the manufacturer's use only.

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.

Randy Jennings
Chairman, NCWM, Inc.

Judy Cardin
Chairman, National Type Evaluation Program Committee
Issued: March 18, 2010

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Hardy Instruments, Inc.

Weighing/Load Receiving Element / HIWDPS-xxxx

Application: For use in general purpose weighing interfaced with an approved and compatible indicating element.

Identification: The foil identification badge is located on the right side of the base, under the cover.

Sealing: There are no sealable parameters on this device. Calibration will be adjusted through the indicating element.

Test Conditions: This certificate is issued based upon the following tests and upon information provided by the manufacturer. A 200 lb x 0.05 lb (24" x 24" platform) and a 1000 lb x 0.2 lb (24" x 24" platform) were submitted for evaluation. Each device was interfaced with an NTEP certified indicating element. In addition, four weighing/load receiving elements (10 lb x 0.002 lb, 200 lb x 0.5 lb, 200 lb x 0.05 lb, and 1 000 lb x 0.2 lb, all 24" x 24") were interfaced with four indicators. The emphasis of the evaluation was on device design, operation, marking, performance and compliance with influence factor requirements. Several increasing/decreasing load and shift tests were conducted. The scales were tested over a temperature range of -10 °C to 40 °C (14 °F to 104 °F). A load of approximately one-half capacity was applied to the scales 100 440 times.

Evaluated By: W. West (OH); J. Truex (NCWM)

Type Evaluation Criteria Used: NIST, Handbook 44: Specifications, Tolerances and Other Technical Requirements for Weighing and Measuring Devices, 2010. NCWM, Publication 14: Weighing Devices, 2009.

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)

Example of Device:



Weighing Elements 10" x 10" to 24" x 24"