

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

For:

Weighing/Load Receiving Element, Platform
Models: AFSU series
 n_{\max} : 5000 e_{\min} : 0.2 lb
Capacity: 1000 lb to 10 000 lb
Platform: 30 in x 30 in to 6 ft x 8 ft

Accuracy Class: III

Submitted by:

Hardy Instruments, Inc.
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Standard Features and Options

Models are available in stainless steel and mild steel.

Stainless steel weighing element model numbers end in -43X, and mild steel weighing elements end in -41X.

* The suffix letter "XX" maybe replaced with any alpha-numeric character for marketing purposes and has no metrological effect.

Platform Sizes: 30 in x 30 in to 3 ft x 3 ft for capacities of 1000 lb to 2500 lb
3 ft x 3 ft to 6 ft x 8 ft for capacities of 2500 lb to 10 000 lb

Load Cells used: (4) Fairbanks Model LCF-R3030-XXX (Certificate of Conformance Number 95-172) or Flintec Model SLB Series (Certificate of Conformance Number 97-061) or metrologically equivalent NTEP certified load cells.

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.



G. Weston Diggs
Chairman, NCWM, Inc.



Dennis E. Ehrhart
Chairman, National Type Evaluation Program Committee
Issue date: September 22, 2004

Hardy Instruments, Inc
Weighing/Load Receiving Element
Models: AFSU Series

Application: General purpose weighing when interfaced with an approved and compatible indicating element.

Identification: The required identification information appears on a foil badge glued to the side of the scale. Other information appears on the face of the indicating element adjacent to the display.

Sealing: A load cell junction box is under a metal cover in the platform. The junction box can be sealed by passing a wire security seal through a drilled head screw on each side of the junction box. The indicator may also be sealed with a physical seal according to the manufacturer's instructions.

Test Conditions: This certificate is issued based upon the following tests and upon information provided by the manufacturer. The emphasis of the evaluation was on the device design, operation, marking requirements and compliance with influence factor requirements. A 3' x 3' 1000-lb 0.2-lb capacity models were submitted to the laboratory for evaluation. A 6' x 8' platform, 10 000-lb x 2.0-lb capacity model was tested at the manufacturer's facility. Several increasing/decreasing load and shift tests were performed on the scales in the laboratory. One scale was tested over a temperature range of -10 °C to 40 °C (14 °F to 104 °F). A load of approximately 1/2 capacity was applied to the scale 100 237 times. The scale was tested periodically during this time. Several increasing decreasing/decreasing load and shift tests were performed on the scale at the manufacturer's facility. The scale was used for a period of 21 days, and the permanence test requirements for a platform scale being met, and retested in the same manner.

Evaluated By: W. West (OH), A. McCoy (OH), Larry Turberville (AL)

Type Evaluation Criteria Used: NIST Handbook 44, 1998 Edition, NCWM Publication 14, 1998 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)