



## NATIONAL TYPE EVALUATION PROGRAM

# Certificate of Conformance

for Weighing and Measuring Devices

**For:**

Weighing/Load Receiving Element  
Load Cell, Electronic  
Model: HIBS200 & HIBS300  
 $n_{\max}$ : 5000  
Capacity: 5 lb  $e_{\min}$ : 0.001 lb (Model HIBS200)  
Capacity: 500 lb  $e_{\min}$ : 0.1 lb (Model HIBS300)  
Accuracy Class: III

**Submitted By:**

Hardy Process Solutions  
9440 Carroll Park Dr. / Suite 150  
San Diego, CA 92121  
Tel: 858-278-2900  
Fax: 858-278-9700  
Contact: Lito Guirba  
Email: [lito.guirba@hardysolutions.com](mailto:lito.guirba@hardysolutions.com)  
Web site: [www.hardysolutions.com](http://www.hardysolutions.com)

**Standard Features and Options**

Platform size: 8" x 8" to 30" x 30"

Construction Material Used: Stainless Steel or Carbon steel

Load Cell Used: 500 lb capacity: Teda Model 1250 (Certificate of Conformance Number 89-054A1)  
5 lb capacity: Revere Transducers Model 642-A5 (Certificate of Conformance Number 93-087)

Metrologically equivalent load cells may be substituted provided no changes are made to the scale and the substitute load cells have a Certificate of Conformance.

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.

Ronald Hayes  
Chairman, NCWM, Inc.

  
John Gaccione  
Committee Chair, National Type Evaluation Program Committee

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1135 M Street, Suite 110 / Lincoln, Nebraska 68508

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## Hardy Process Solutions

Weighing/Load Receiving Element / HIBS200 & HIBS300

**Application:** The device is a single point weighing/load receiving element used in industrial and processing applications. The device can be interfaced with an NTEP certified and compatible indicating element.

**Identification:** The required information is on an adhesive badge attached to the scale frame.

**Sealing:** The weighing element has no metrological functions that require the use of a security seal. Calibration or configuration of the scale is done through the indicator.

**Test Conditions:** This Certificate is issued based upon the following tests and upon information submitted by the manufacturer. Two devices, 5 x 0.001 lb and a 500 x 0.01 lb, were submitted for evaluation. The emphasis of the evaluation was on the device design, operation, marking, and compliance with influence factor requirements. The scale base was interfaced with a Brechbuhler UMC 600 (CC 91-129A) indicator for the evaluation. Several increasing/decreasing load and shift tests were performed. The scale was tested over a temperature range of -10 °C to 40 °C (14 °F to 104 °F). A load of approximately one-half scale capacity was applied to the scale 100 800 times. The scale was tested periodically over this time.

**Type Evaluation Criteria Used:** *NIST Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, 2014 Edition. *NCWM Publication 14 Measuring Devices*, 2014 Edition.

**Evaluated By:** A. McCoy (OH), W. West (OH)

**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)



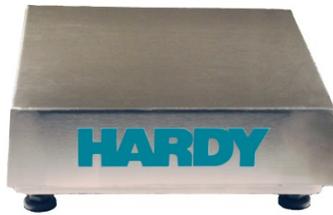
**Hardy Process Solutions**  
Weighing/Load Receiving Element / HIBS200 & HIBS300

**Examples of Device:**

**HIBS200**



**HIBS300**



**HIBS200 inside**



**HIBS300 inside**