



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Non-Computing Scale
Digital Electronic
Model: AHS Series
 n_{max} : 1000 to 1500 (see table below)

Accuracy Class: III

Submitted By:

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Standard Features and Options

- Automatic Zero Tracking (AZT)
- Initial Zero Setting Mechanism (IZSM)
- Semi-Automatic Zero (Push Button)
- Semi-Automatic Tare (Push Button)
- DC Power / Battery
- AC / DC Power Adaptor
- Gross / Net Display
- Liquid Crystal Display
- Units: lb, kg and g


Model	Capacity	d	n_{max}
AHS-6	6 lb	0.005 lb	1200
	2.7 kg	2 g	1350
AHS-15	15 lb	0.01 lb	1500
	5 kg	5 g	1000
AHS-30	30 lb	0.02 lb	1500
	13.6 kg	0.01 kg	1360
AHS-60	60 lb	0.05 lb	1200
	27 kg	0.02 kg	1350

Load cells used: Mavin model NA27 series (non-NTEP)

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.


Brett Gurney
Chairman, NCWM, Inc.


James Cassidy
Committee Chair, NTEP Committee
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Intelligent Weighing Technology, Inc.
Non-Computing Scale / AHS Series

Application: Non-computing hanging scale for general purpose weighing applications.

Identification: The required identification markings are located on the back of the device.

Sealing: A wire security seal is threaded through holes in the body of the scale to prevent access to the switch located within the scale.

Note: Remove battery case cover to better access the holes in the body of the scale.

Test Conditions: The emphasis of the evaluation was on the device design, marking, operation, performance, and compliance with influence factor requirements. Two model AHS scales were provided for this evaluation: one with a 6 lb x 0.005 lb / 2.7 kg x 2 g capacity and one with a 60 lb x 0.05 lb / 27 kg x 0.02 kg capacity. The scales were tested with a DC power supply at 3.0 VDC and 6.6 VDC. A warm up test, power interruption test, and electromagnetism tests were also performed. 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 each scale over 100 000 times. The scales were tested periodically during this time.

Evaluated By: E. Morabito (NY)

Type Evaluation Criteria Used: *NIST Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, 2018 Edition. *NCWM Publication 14 Weighing Devices*, 2018 Edition.

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)

Examples of Device:

