



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: Contact Info. Updated November 2024**

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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 *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. *Editorial changes, not affecting the type or metrological content, corrected this certificate.

Hal Prince
Chairman, NCWM, Inc.

Craig VanBuren
Chair, NTEP Committee
Issued: November 16, 2020

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

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Universal Weight Electronic Co., Ltd.
Non-Computing Scale / AHS Series

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: This Certificate of Conformance supersedes Certificate of Conformance Number 18-098 and was issued to indicate a transfer of ownership from Intelligent Weighing Technology to Universal Weight Electronics Co., Ltd. No additional testing was required. Test Conditions are listed below for reference.

Certificate of Conformance Number 18-098: 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 warmup 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) 18-098; M. Manheim (NCWM) 18-098A1

Type Evaluation Criteria Used: *Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, 2018 Edition. *NCWM Publication 14: Measuring 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) 18-098; D. Flocken (NCWM) 18-098A1

Example(s) of Device:

