NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:
Non-Computing Scale
Digital Electronic
Model: AGS Series
n_{max}: 6000
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)
- Multi-interval
- AC Power (120V)
- DC Power (4.5V, 6V)
- Liquid Crystal Display
- RS 232 Communication Port
- USB Communication Port

Model	Capacity	d	n_{max}
AGS-300	150 g / 300 g	0.05 g / 0.1 g	3000 / 3000
AGS-600	300 g / 600 g	0.1 g / 0.2 g	3000 / 3000
AGS-1500	600 g / 1500 g	0.2 g / 0.5 g	3000 / 3000
AGS-3000	3000 g 6.6 lb	0.5 g 0.002 lb	6000 3300
AGS-6000	6000 g 13.2 lb	1 g 0.005 lb	6000 2640
AGS-12K	12 kg 26.4 lb	0.002 kg 0.005 lb	6000 5280
AGS-30K	30 kg 66 lb	0.005 kg 0.02 lb	6000 3300

Load Cells Used: For AGS -300 to -600 Minbea model BCL (Non-NTEP) and for AGS-6000 to -30K True-Tec PA06 (NTEP CC 16-098)

Temperature Range: 0 °C to 40 °C (32 °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: October 30, 2020

1135 M Street, Suite 110 / Lincoln, Nebraska 68508

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

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

Identification: The required identification markings are located under the platter

Sealing: A wire security seal is threaded through a post on the bottom of the scale that secure a plate to prevent access to the jumpers.

Test Conditions: This Certificate of Conformance supersedes Certificate of Conformance Number 18-130 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 18-130: The emphasis of the evaluation was on the device design, marking, operation, performance, and compliance with influence factor requirements. Three scales were provided for this evaluation: an AGS-300 with a 150 g / 300 g x 0.5 g / 0.1 g; an AGS-3000 with a 3000 g (6.6 lb) x 0.5 g (0.002 lb) capacity; and an AGS-30K with a 30 kg (66 lb) x 0.005 kg (0.02 lb) capacity. A series of increasing/decreasing load tests, discrimination tests and eccentricity tests were performed. The scales were tested with an AC power supply of 102 VAC and 132 VAC and also with a DC power supply of 2.5 VDC and 5.0 VDC on the AGS-300 and 4.7 VDC and 6.6VDC on the AGS-3000 and AGS-30K . A warm up test, power interruption test, and electromagnetism tests were also performed on each. The scales were tested over a temperature range of 0°C to 40°C (32° 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) 18-130; M. Manheim (NCWM) 18-130A1

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) 18-130; D. Flocken (NCWM) 18-130A1

Example(s) of Device:

AGS-300 AGS-3000 AGS-30K

Method of Sealing