



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Non-Computing Scale
Digital Electronic
Model: XM Series
 n_{max} : (see below)
Capacities: (see below)
Platform: 8.5 in. x 10 in.
Accuracy Class: III

Submitted By:

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Standard Features and Options

- Semi-automatic (push-button) Zero
- Initial Zero Setting Mechanism (IZSM)
- Automatic Zero Tracking (AZT)
- Semi-automatic Tare (push-button)
- Liquid Crystal Display
- Gross/Net Display
- Units lb/kg/oz Conversion (push-button)
- RS-232 Communication Port
- AC/DC Adapter
- Battery Power Supply
- Battery Saving Feature (auto shut-off)
- Tape Printer Capability

Option:

- Plastic or Stainless-Steel Platter

Model	Capacity x Division		n_{max}	Capacity x Division		n_{max}
XM-1500	1500 g x 0.5 g	3 lb x 0.001 lb	3000	48 oz x 0.02 oz		2700
XM-3000	3000 g x 1 g	6 lb x 0.002 lb	3000	96 oz x 0.05 oz		1920
XM-6000	6000 g x 2 g	12 lb x 0.005 lb	3000	192 oz x 0.1 oz		1920
XM-15	15 kg x 0.005 kg	30 lb x 0.01 lb	3000	480 oz x 0.2 oz		2700
XM-30	30 kg x 0.01 kg	60 lb x 0.02 lb	3000	960 oz x 0.5 oz		1920

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: October 16, 2020

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

Application: General purpose weighing.

Identification: Required information is located on a tamper evident adhesive label on the right side of the scale and on the indicating face of the scale.

Sealing: The scale is sealed by threading a lead and wire seal through the hole in a post attached to the bottom of the housing and protruding through the top of the housing under the platter.

Test Conditions: This Certificate of Conformance Number supersedes Certificate of Conformance Number 11-106 and was issued to indicate a transfer of ownership from Intelligent Weighing Technology to Universal Weight Electronics. No additional testing was required. Test Conditions are listed below for reference.

Certificate of Conformance Number 11-106: The models XM-1500, XM-15 and XM-30 were submitted for this evaluation. The emphasis of the evaluation was on device design, performance, marking, and compliance with influence factor requirements. Several increasing/decreasing load and shift tests were conducted. The scales were tested for accuracy 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 the device over 100 000 times. The device was tested periodically during this time. Additionally, the devices were tested over a voltage range of 100 VAC and 130 VAC and 5.7 to 9.9 VDC power supplies.

Evaluated By: K. Jones (CA) 11-106; M. Manheim (NCWM) 11-106A1

Type Evaluation Criteria Used: *Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, 2011 Edition. *NCWM Publication 14: Measuring Devices*, 2011 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) 11-106; D. Flocken (NCWM) 11-106A1

Example(s) of Device:



Model XM Series