



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Weighing/Load Receiving Element
Load Cell Electronic
Model: US-LSXX
 n_{max} : see table below
 e_{min} : see table below
Capacity: see table below
Accuracy Class: III

Submitted By:

USA Measurements
4005 W. Reno Ave
Suite E
Las Vegas, NV 89118
Tel: 800-711-2237
Contact: Fred Herrmann
Email: sales@usameasurements.com
Web site: www.usameasurements.com

Standard Features and Options

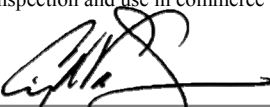
- Platter: Stainless Steel
- Base Material: Formed Metal
- Platform: 11.8 inch x 13.8 inch (30cm x 35cm)
- Leveling feet
- Level Bubble

Model	Capacity	$e = d$	n_{max}	Load Cell	Model	Capacity
US-LS30	30 lb / 15 kg	0.01 lb / 0.005 kg	3000	HOPE	NA1	20 kg
US-LS70	70 lb / 30 kg	0.02 lb / 0.01kg	3500	HOPE	NA10	40 kg
US-LS150	150 lb / 60 kg	0.05 lb / 0.02 kg	3000	HOPE	NA10	80 kg

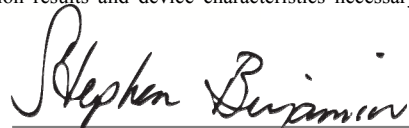
Load Cell Used: Hope Technologic Model NA Series (NTEP CC 15-079)

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.



Craig VanBuren
Chairman, NCWM, Inc.



Stephen Benjamin
Committee Chair, NTEP Committee
Issued: December 17, 2019

1135 M Street, Suite 110 / Lincoln, Nebraska 68508

The National Conference on Weights and Measures (NCWM) does not approve, recommend or endorse any proprietary product or material, either as a single item or as a class or group. Results shall not be used in advertising or sales promotion to indicate explicit or implicit endorsement of the product or material by the NCWM.



USA Measurements

Weighing/Load Receiving Element / US-LSXX

Application: For use in general purpose weighing applications when interfaced with an NTEP certified and compatible indicating element.

Identification: All required information is on an adhesive badge located under the platform that repeats the word “VOID” if removed.

Sealing: The weighing/load-receiving element has no metrological functions that require the use of a security seal. Calibration and configuration of the scale are done through the indicator.

Test Conditions: This Certificate of Conformance supersedes Certificate of Conformance Number 19-127 and was issued to indicate a company phone number change. No additional testing was required. Previous test conditions are listed below for reference.

Certificate of Conformance Number 19-127: This certificate is issued based upon the following tests and upon information provided by the manufacturer. The emphasis of the evaluation was on device design, marking, performance and compliance with influence factor requirements. A model US-LS30, 15 kg x 0.005 kg, a model US-LS70, 70 lb x 0.02 lb and a model US-LS150, 150 lb x 0.05 lb weighing/load receiving elements were interfaced with Measuretek series indicators (Certificate of Conformance Number 15-068) and submitted for evaluation. Several increasing/decreasing load, shift test, discrimination tests were performed. The devices were tested over a temperature range of -10 °C to 40 °C (32 °F to 104 °F). A load of approximately one-half capacity was applied over 100 000 times to each scale. The scales were tested periodically during this time.

Evaluated By: M. Kelley (OH) 19-127; M. Manheim (NCWM) 19-127A1

Type Evaluation Criteria Used: *NIST Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, 2015 Edition. *NCWM Publication 14 Measuring Devices*, 2015 Edition.

Conclusion: The results of the evaluation and information provided by the manufacturer indicate the device complies with applicable requirements.

Information Reviewed By: D. Flocken (NCWM) 19-127, 19-127A1

Example(s) of Device:

