



NATIONAL TYPE EVALUATION PROGRAM

# Certificate of Conformance

for Weighing and Measuring Devices

**For:**

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

**Submitted By:**

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**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
GW-30	30 lb / 15 kg	0.01 lb / 0.005 kg	3000	HOPE	NA1	20 kg
GW-70	70 lb / 30 kg	0.02 lb / 0.01kg	3500	HOPE	NA10	40 kg
GW-150	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.

Kristin Macey  
Chairman, NCWM, Inc.

Jerry Buendel  
Committee Chair, National Type Evaluation Program Committee  
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**CAS USA Corporation**  
Weighing/Load Receiving Element / GW-XXX

**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 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 GW-30, 15 kg x 0.005 kg, a model GW-70, 70 lb x 0.02 lb and a model GW-150, 150 lb x 0.05 lb weighing /load receiving elements were interfaced with a model CI-100A indicators (NTEP CC 16-103) 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)

**Type Evaluation Criteria Used:** *NIST Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, 2016 Edition. *NCWM Publication 14 Weighing Devices*, 2016 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:**

