



## NATIONAL TYPE EVALUATION PROGRAM

# Certificate of Conformance

for Weighing and Measuring Devices

**For:**

Indicating Element  
Digital Electronic  
Model: CPB9, CWBx, CWBRx,  
SPB9, SWBx & SWBRx  
 $n_{max}$ : 10 000  
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)
- Keyboard Tare
- Programmable Tare
- Semi-Automatic Tare (Push Button)
- AC Power (100-240 V)
- DC Power (12 V)
- Battery Power (6V)
- Liquid Crystal Display
- Alphanumeric Display
- RS232 Communications
- Linearity Calibration Points
- Price calculation
- Weighing
- Counting
- Accumulation

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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## Gravity Measurement, Inc.

Indicating Element / CPB9, CWBx, CWBRx, SPB9, SWBx & SWBRx

**Application:** A general-purpose indicating element to be interfaced with an NTEP certified and compatible weighing element.

**Identification:** The required making information is located on the back of the device. Labels for capacity, division, CLC (concentrated load capacity; if required), and section capacity (if required) will be identified on an adhesive label. The label will self-destruct when removed.

**Sealing:** Option 1: A wire security seal through two screws or a screw and a rod located on the underside of the device. Option 2: A paper security seal placed across the enclosure seam on the side of the device.

**Test Conditions:** This certificate is issued based upon the following tests and upon information provided by the manufacturer. The models submitted for this evaluation were a CPB9, CWBR22, SWB7. The emphasis of the evaluation was on device design, operation, and compliance with environmental factors. The models were interfaced with a load cell simulator and then tested for accuracy over a temperature range of -10 °C to 40 °C (14 °F to 104 °F). The devices were tested with 100VAC and 130 VAC as well as 6.5 VDC and 4.0 VDC power supplies.

**Evaluated By:** E. Morabito (NY)

**Type Evaluation Criteria Used:** *NIST Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, 2017 Edition. *NCWM Publication 14 Weighing Devices*, 2017 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:



CPB9



CWBR22



SWB7

### Methods of Sealing:



Paper seal across enclosure seam



Wire seals through screw and rod