



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Computing Scale
Digital, Electronic
Model: CL 3000 Series
 n_{max} : 3000
 e_{min} : See table on page 2
Capacity x d: See table on page 2
Platform Size: 15 in x 9.75 in (38 cm x 25 cm)
Accuracy Class: III

Submitted By: Contact Info. Updated January 2024

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Standard Features and Options

- Semi-automatic (push-button) Zero
- Automatic Zero Setting Mechanism (AZSM)
- Initial Zero Setting Mechanism (IZSM)
- Alphanumeric Display
- Liquid Crystal Display (LCD)
- Gross/Net Weight Display
- Customer Display
- AC Power Supply
- Programmable Tare
- Tare Save Key
- RS-232 and Print Capability
- lb/kg Conversion
- Multi-interval
- USB and Ethernet Communication Ports
- Wireless Communication

Load Cells Used:

- CAS Corp., Model No. TPN-6L, Capacity 6 kg, v_{min} 0.0006 kg
- CAS Corp., Model No. TPN-15L, Capacity 15 kg, v_{min} 0.0015 kg
- CAS Corp., Model No. TPN-30L, Capacity 30 kg, v_{min} 0.003 kg

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
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CAS Corporation
Computing Scale / CL3000 Series

Model	Capacity	ε _{min}
CL3000B	6/15 lb	0.002/0.005 lb
	3/6 kg	1/2 g
	15/30 lb	0.005/ 0.01 lb
	6/15 kg	2/5 g
	30/60 lb	0.01/0.02 lb
CL3000P	15/30 kg	5/10 g
	6/15 lb	0.002/0.005 lb
	3/6 kg	1/2 g
	15/30 lb	0.005/ 0.01 lb
	6/15 kg	2/5 g
CL3000P	30/60 lb	0.01/0.02 lb
	15/30 kg	5/10 g

Application: The CL 3000 is for use in direct sales, price computing, or general-purpose weighing.

Identification: The required markings are located on a plate riveted to the side of the scale.

Sealing: Sealing is provided by a wire seal threaded through two screw heads, located on the underside of the scale, which secure a cover plate preventing access to the calibration switch

Test Conditions: Two scales were submitted for this evaluation, a model CL3000B 3/6 kg x 1/2 g capacity and a CL3000P 30/60 lb x 0.01/0.02 lb capacity. The emphasis of this evaluation was on device design, operation, performance, marking requirements, and compliance with influence factor requirements. Several increasing/decreasing load and shift tests were conducted. The device was tested 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 scale more than 100 000 times. The scale was tested for accuracy approximately every 25 000 times. Additionally, tests were conducted using 100 VAC and 130 VAC.

Evaluated By: E. Morabito (NY)

Type Evaluation Criteria Used: *Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, 2020 Edition. *NCWM Publication 14: Measuring Devices*, 2020 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)

Example(s) of Device:



CL3000B



CL3000P