



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Non-Computing Scale
Digital, Electronic
Model: CT-224.N, CT-314.N, CT-225.N
 n_{max} : 220 000 to 310 000 (See Table Page 2)
 e_{min} : 0.001 g (See Table Page 2)
Capacity: 220 g and 310 g
Platform: 98 mm diameter
Accuracy Class: I

Submitted By:

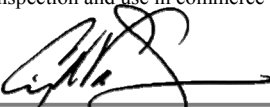
Schuler Scientific
2800 South Vallejo Street, Unit B
Englewood, CO 80110
Tel: 800-539-1886
Fax: 303-825-9136
Contact: William S. Schuler
Email: scott.schuler@schulersci.com
Web site: www.schulersci.com

Standard Features and Options

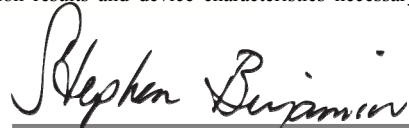
- Automatic Zero Tracking (AZT)
- Initial Zero Setting Mechanism (IZSM)
- Semi-Automatic Zero (Push Button)
- Multiple Tare Memories
- Programmable Tare
- Semi-Automatic Tare (Push Button)
- Multi-Range
- Automatic Internal Calibration
- Semi-Automatic Internal Calibration (Push Button)
- AC Power
- Power Saving Feature (Sleep Mode)
- Liquid Crystal Display
- Touch Screen Display
- RS 232 Communication Port
- USB Communication Ports

Temperature Range: 10° C to 40° C (50° 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: November 17, 2019

1135 M Street, Suite 110 / Lincoln, Nebraska 68508

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**Schuler Scientific**

Non-Computing Scale / CT-224.N, CT-314.N, CT-225.N

Model	Capacity	e (g)	d (g)	n _{max}	Pan Size (mm) Diameter	Class
CT-224.N	220 g	0.001 g	0.0001 g	220 000	98 mm	I
CT-314.N	310 g	0.001 g	0.0001 g	310 000	98 mm	I
CT-225.N	82/220 g	0.0001 g / 0.001 g	0.00001 g / 0.0001 g	220 000	98 mm	I

Application: For use in general purpose weighing applications.

Identification: The required information appears on a self-destructive label located on the left side of the unit base. Other required information appears on the front of the unit, “The Counting Feature Not Legal for Trade” or “Counting Feature for Prescription Filling Only”, with the Minimum Piece Weight (MPW) and the Minimum Sample Size (MSS).

Sealing: The device is physically sealed by applying a pressure sensitive, tamper proof seal over the enclosure screw located on the rear of the unit.

Test Conditions: This certificate was issued based upon the following tests and upon information provided by the manufacturer. Three units, models CT-224.N, CT-314.N and CT-225.N were submitted for evaluation. The emphasis of the evaluation was on device design, performance, operation, marking requirements, compliance with influence factors, and verifying that the indicated piece count value complies with the tolerances in Table T.N.3.10. Several increasing/decreasing load and shift tests were conducted. The scales were tested over a temperature range of 10° C to 40° C (50° F to 104° F). A load of approximately one-half capacity was applied to the scales at least 100,000 times with the scale being tested periodically during this time. Tests were conducted using 100V AC and 130V AC 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*, 2018 Edition. *NCWM Publication 14 Measuring Devices*, 2018 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:



CT-224.N



Method of Sealing