



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance
for Weighing and Measuring Devices

For:

Non-Computing Scale
Digital Electronic, Prescription, Jeweler's
Model: TE Series (See table on Page 2)
 n_{max} : (See table Page 2)
 e_{min} : (See table Page 2)
Capacity: (See table Page 2)
Platform: See "Pan Size: below"
Accuracy Class: I / II & III (See Table Page 2)

Submitted By:

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Standard Features and Options

Automatic Zero Tracking (AZT) (TE 223 thru TE 15001)
Initial Zero Setting Mechanism (IZSM)
Semi-Automatic Zero (Push Button)
Push Button Tare (TE 223 thru TE 15001)
DC power (USB, battery)
Gross/Tare/Net display (TE 223 thru TE 15001)
Units of Measure: g, oz, lb, gr, c or ct, and PC (pieces in counting mode)
Draft Shield (TE 223 thru TE 1203 and TE 322NC)
Remote display capability (TE 322NC, TE 1501NC and TE 8200NC)
Bluetooth Wireless communication
Ethernet port

Auto Shut Off
Alphanumeric Display
Liquid Crystal Display
RS232/USB
percentage mode
Specific gravity mode (not legal for trade)
AC/DC Adapter
Remote printer capability
Category 1 physical seal
Additional RS232 communication port
Relay contact port

Pan Size:

- TE 223 thru TE 1203 and TE 322NC: 118 mm Dia.
- TE 1502 thru TE 15001, TE 1501NC and TE 8200NC: 180 mm x 160 mm SS.

Temperature Range: 5° C to 35° C (41° F to 95° F) all models except 10° C to 30° C (50° F to 86° F) for TE 1203 models

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.

Hal Prince
Chairman, NCWM, Inc.

Craig VanBuren
Chair, NTEP Committee
Issued: April 29, 2021

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Rice Lake Weighing Systems
Non-Computing Scale / TE Series

Application: General purpose top loading balance. The TE Series of devices are suitable for use in any class II or III indirect sale application. TE 322NC, TE 1501NC and TE 8200NC are suitable for use in any class II direct or indirect sale application. Examples are but not limited to retail cannabis, pharmacy, prescription, precious metals, and gems.

Model •	Capacity	e (g)	d (g)	n _{max}	Temperature Range	Class
TE 223	220 g	0.01 g	0.001 g	22 000	5° C to 35° C	II
	1 100 c	0.1 c	0.01 c	11 000		II
	0.48 lb	0.0001 lb	0.00001 lb	4 800		II
	7.7 oz	0.001 oz	0.0001 oz	7 700		II
	3 300 gr	1 gr	0.1 gr	3 300		II
TE 322NC	320 g	0.01 g	0.01 g	32 000	5° C to 35° C	II
	1 600 ct	0.1 ct	0.1 ct	16 000		II
	0.7 lb	0.0001 lb	0.0001 lb	7 000		II
	11 oz	0.001 oz	0.001 oz	11 000		II
	4 900 gr	1 gr	1 gr	4 900		II
TE 323	320 g	0.01 g	0.001 g	32 000	5° C to 35° C	II
	1 600 c	0.1 c	0.01 c	16 000		II
	0.7 lb	0.0001 lb	0.00001 lb	7 000		II
	11 oz	0.001 oz	0.0001 oz	11 000		II
	4 900 gr	1 gr	0.1 gr	4 900		II
TE 623	620 g	0.01 g	0.001 g	62 000	5° C to 35° C	II
	3 100 c	0.1 c	0.01 c	31 000		II
	1.3 lb	0.0001 lb	0.00001 lb	13 000		II
	21 oz	0.001 oz	0.0001 oz	21 000		II
	9 500 gr	1 gr	0.1 gr	9 500		II
TE 1203	1 200 g	0.01 g	0.001 g	120 000	10° C to 30° C	I
	6 000 c	0.1 c	0.01 c	60 000		I
	2.6 lb	0.0001 lb	0.00001 lb	26 000		II
	42 oz	0.001 oz	0.0001 oz	42 000		II
	18 000 gr	1 gr	0.1 gr	18 000		II
TE 1501NC	1 500 g	0.1 g	0.1 g	15 000	5° C to 35° C	II
	7 500 ct	1 ct	1 ct	7 500		II
	52 oz	0.01 oz	0.01 oz	5 200		II
TE 1502	1 500 g	0.1 g	0.01 g	15 000	5° C to 35° C	II
	7 500 c	1 c	0.1 c	7 500		II
	3.3 lb	0.001 lb	0.001 lb	3 300		III
	52 oz	0.01 oz	0.001 oz	5 200		II
TE 2202	2200 g	0.1 g	0.01 g	22 000	5° C to 35° C	II
	11 000 c	1 c	0.1 c	11 000		II
	4.8 lb	0.001 lb	0.001 lb	4 800		III
	77 oz	0.01 oz	0.001 oz	7 700		II
TE 3202	3200 g	0.1 g	0.01 g	32 000	5° C to 35° C	II
	16 000 c	1 c	0.1 c	16 000		II
	7 lb	0.001 lb	0.0001 lb	7 000		II
	110 oz	0.01 oz	0.001 oz	11 000		II
TE 6202	6200 g	0.1 g	0.01 g	62 000	5° C to 35° C	II
	31 000 c	1 c	0.1 c	31 000		II
	13 lb	0.001 lb	0.0001 lb	13 000		II
	210 oz	0.01 oz	0.001 oz	21 000		II
TE 8200NC	8200 g	1 g	1 g	8200	5° C to 35° C	II



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TE 8201	8200 g	1 g	0.1 g	8 200	5° C to 35° C	II
	18 lb	0.01 lb	0.01 lb	1 800		III
	280 oz	0.1 oz	0.1 oz	2 800		III
TE 15001	15 000 g	1 g	0.1 g	15 000	5° C to 35° C	II
	33 lb	0.01 lb	0.01 lb	3 300		III
	520 oz	0.1 oz	0.01 oz	5 200		II

Identification: The required information, the Minimum Piece Weight (MPW) and the Minimum Sample Size (MSS) is on a self-destructive label located on the back of the device. Other required information capacity x division and “The Counting Feature Not Legal for Trade” or “Counting Feature for Prescription Filling Only”, is located on the front of the unit above the display.

Sealing: The balance is physically sealed by applying a pressure sensitive, tamper proof seal over the enclosure screw located on the rear of the unit or with a lead and wire seal thru the u-shaped bracket covering the enclosure screw. There is also a hole on the bottom front of the balance that must be sealed with a pressure sensitive tamper evident security seal preventing access to the Legal/non-legal for trade switch. Direct sale models will have a rubber plug under the pressure sensitive security seal.

Test Conditions: This Certificate is issued based upon the following tests and information provided by the manufacturer. This Certificate supersedes Certificate of Conformance 17-104A1 and was issued to add new models to the TE series and update standard features and option box. Two models were submitted for evaluation the TE 322NC and TE 8200NC. The emphasis of the evaluation was on device design, performance, operation and marking requirements. Multiple increasing/decreasing, load and eccentricity tests were conducted. The remote display was verified for correct function and to validate the models are suitable for direct sales applications. The rubberized plug with pressure sensitive seal was verified. Previous test conditions are below for reference.

Certificate of Conformance 17-104A1: This Certificate is issued based upon the following tests and information provided by the manufacturer. This Certificate supersedes Certificate of Conformance 17-104 and was issued to add Class III to the Model: TE 8201 and expand the table indicating parameters in different units. A Model TE 8201 was submitted for evaluation with the focus being on marking requirements and compliance with NIST Handbook 44 class III tolerances. Multiple increasing/decreasing and eccentricity tests were performed. Please refer to additional test data below for reference.

Certificate of Conformance 17-104: This Certificate is issued based upon the following tests and information provided by the manufacturer. The models TE 223, TE 623, TE 1203, TE 6200 and TE 15001 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 NCWM Publication 14 Table T.N.3.10. Several increasing/decreasing, load and shift tests were conducted. The scales were tested over a temperature range of 5° C to 35° C (41° F to 95° F) for all class II devices and 10° C to 30° C (50° F to 86° F) for TE 1203. A load of approximately one-half capacity was applied to the scales 100 000 times with the scales being tested periodically during this time. Tests were conducted using 102V AC and 264V AC and 3.55 VDC and 6.6 VDC power supplies. Peripheral USB supplied DC power was also tested at 3.47 VDC and 6.6 VDC.

Evaluated By: J. Gibson (OH) 17-104, 17-104A1; M. Manheim (NCWM) 17-104A2

Type Evaluation Criteria Used: *NIST Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, 2018 Edition. *NCWM Publication 14 Weighing 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: J. Truex (NCWM) 17-104, 17-104A1; D. Flocken (NCWM) 17-104A2



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Examples of Device:

TE 223 thru TE 1203



TE 1501NC thru TE 15001



Sealing TE 223 thru TE 1203



OR

Sealing TE 1501NC thru TE 15001



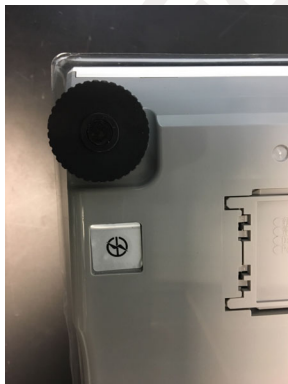
OR



Rice Lake Weighing Systems
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Sealing TE 223 thru TE 1203



Sealing TE 1501NC thru TE 15001

