

***National Type Evaluation Program
Certificate of Conformance
for Weighing and Measuring Devices***

For:

Indicating Element
Digital Electronic
Model: 320IS & 320IS Plus
 n_{max} : 10 000

Accuracy Class: III/III L

Submitted by:

Rice Lake Weighing Systems
230 West Coleman Street
Rice Lake, WI 54868
Tel: (715) 234-9171
Fax: (715) 234-6967
Contact: Paul Lewis
Email: paulew@rlws.com

Standard Features and Options

320 IS & 320IS Plus

Semi-automatic (push button) zero
Automatic zero setting mechanism (AZSM)
Initial zero setting only during calibration
Semi-automatic (push button) tare
AC Power supply 100/240 VAC
Battery Power supply
Gross/net display
lb/kg/oz/g units capability

I/O Module

Remote customer display
Remote printer capability
RS232, RS 422 connector
20 mA Current loop
2 Analog outputs
4 Digital inputs
4 Digital outputs
Ethernet communications
Fiber Optic connector

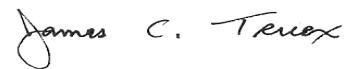
Key Board Tare available only on the Model 320IS Plus

Temperature Range: -10 °C to 40 °C (14 °F to 104 °F)

This device was evaluated under the National Type Evaluation Program (NTEP) 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.



G. Weston Diggs
Chairman, NCWM, Inc.



James C. Truex
Chairman, National Type Evaluation Program Committee

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**Rice Lake Weighing Systems
Indicating Element
Model: 320IS & 320IS Plus**

Application: A general purpose indicator to be interfaced with an approved compatible weighing element.

Identification: The capacity by division statement and, where applicable, the CLC will appear on an adhesive label on the front bezel plate of the indicator. The other required information appears on an adhesive label on the side of the indicator.

Sealing: A cover, on the left side of the bottom of the indicator is held in place by a drilled head screw, covers and prevents undetected access to a switch that must be depressed to enter the set-up and calibration mode. A wire security seal can be threaded through this screw head and another drilled head screw that secures the cover of the indicator.

Test Conditions: This Certificate supersedes Certificate of Conformance 03-078 and is issued to include the model 320IS Plus which is electrically identical to the 320IS. The model 320IS only has the five basic keys for Zero, Gross/Net, Tare, Units and Print. The model 320IS Plus has a full key pad for Key Board Tares. Evaluation verified that Key Board Tare functions as required. No further evaluation was deemed necessary.

Certificate of Conformance Number 03-078: The emphasis of the evaluation was on the device design, marking requirements, operation, and compliance with influence factor requirements. The Model 320IS was interfaced with a load cell simulator and tested for accuracy over a temperature range of -10 °C to 40 °C (14 °F to 104 °F). The indicator was interfaced with a Rice Lake weighing element model BM1818-50 (Certificate of Conformance 95-075A1) and an Epson printer model M119D to verify compliance with zero, zone of uncertainty, and motion detection requirements. Additionally, tests were conducted using power supplies of 100 VAC and 264 VAC.

Evaluated By: A. McCoy (OH) 03-078, W. West (OH) 03-078A1

Type Evaluation Criteria Used: NIST Handbook 44, 2003 Edition, NCWM Publication 14, 2003 Edition

Conclusion: The results of the evaluations and information provided by the manufacturer indicate the devices comply with applicable requirements.

Information Reviewed By: S. Patoray (NCWM), L. Bernetich (NCWM) 03-078, 03-078A1