



## NATIONAL TYPE EVALUATION PROGRAM

# Certificate of Conformance

for Weighing and Measuring Devices

**For:**

Indicating Element  
 Digital Electronic  
 Model: 720i-XY\*, 720i-1Y\*\*  
 Accuracy Class: III / III L

**Submitted By:**

Rice Lake Weighing Systems  
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**Standard Features and Options**

Semi-Automatic (push button) Zero (SAZSM)  
 Automatic Zero Tracking (AZT)  
 Initial Zero Setting (IZSM) Only During Calibration  
 Keyboard Tare  
 Semi-automatic (push button) Tare  
 AC or DC Power Supply  
 Multiple Range  
 Local/Remote Operation

Remote Printer Capability  
 Gross/Net Display  
 LCD Display  
 RS232 Connector  
 4-20mA Loop  
 Weigh-In/Weigh-Out Capability  
 Multi-Interval  
 Wireless Communications

\*The model suffixes XY designate the following:

X= Enclosure Type; 1= Panel mount, 2= Universal

Y= Power Input; A= 100-240 AC, D= 9-36 VDC, E=10-60 VDC

\*\*

720i-RD1- Remote Display (Dimensions in inches) for the 720i-1Y

720i-RD2- Remote Display (Dimensions in cm) for the 720i-1Y

Material made of: Universal =Stainless Steel, Remote Display= Stainless Steel,  
 Panel Mount=Stainless Steel or Painted Steel

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.

Stephen Benjamin  
 Chairman, NCWM, Inc.

Kurt Floren  
 Committee Chair, National Type Evaluation Program Committee

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**Rice Lake Weighing Systems**

Indicating Element / 720i-XY\*, 720i-1Y\*\*

**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 or Section Capacity 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 wire security seal can be threaded through two fillister head screws that secure the back cover of the indicator to prevent undetected access to a calibration jumper that must be moved to enter the set-up and calibration mode, on the bottom side of the indicator. The device also has a category 2 audit trail that is accessed through the keyboard. There are 2 event counters: 1 for calibration and 1 for configuration.

To view Software Version and Audit Trail use the following keystrokes:

**In Weigh Mode Press the [MENU] Key**

The following will display

Menu		<b>Audit Trail</b>	
		Configuration	
		Test Operations	
		Contrast Adj.	
		Save & Exit	Exit
F1	F2	F3	F4
▲	▲	▲	▲

Highlight Audit Trail

**Press the [Print/Enter] key**

The following will be displayed

LR:V1.00			
Configs: XXXX			
Calibs: XXXX			
Done			
F1	F2	F3	F4
▲	▲	▲	▲

Press the F1 key to exit back to the weigh mode

**Test Conditions:** This Certificate supersedes Certificate of Conformance Number 08-022 and is issued to add Local/Remote Operation and Wireless operation. Two 720i indicators were submitted for evaluation. Local / Remote operation was tested with two 720i indicators using wireless communication. Two 480-2A indicators were setup as a Local / Remote operation, also using wireless communication, to test the wireless per Pub 14. Results of the previous test conditions are repeated below for reference.**Certificate of Conformance Number 08-022:** The emphasis of the evaluation was on design, operation, performance, marking and compliance with influence factor requirements. A model 720i indicator was fully evaluated and a model 720i-1Y indicator was used for VDC evaluation. The indicator was interfaced with a Rice Lake Model CW 80 Weighing/Load Receiving Element (NTEP CC 96-107), and a generic printer to evaluate center of zero, discrimination, zone of uncertainty, motion detection, and print format. A load cell simulator was used to do performance testing. The indicator was tested over a temperature range of -10 °C to 40 °C (14 °F to 104 °F). Additionally, tests were conducted using power supplies 100 to 240 VAC and 9 to 60 VDC.**Evaluated By:** A. McCoy (OH) 08-022; J. Morrison (OH) 08-022A1



**Rice Lake Weighing Systems**  
Indicating Element / 720i-XY\*, 720i-1Y\*\*

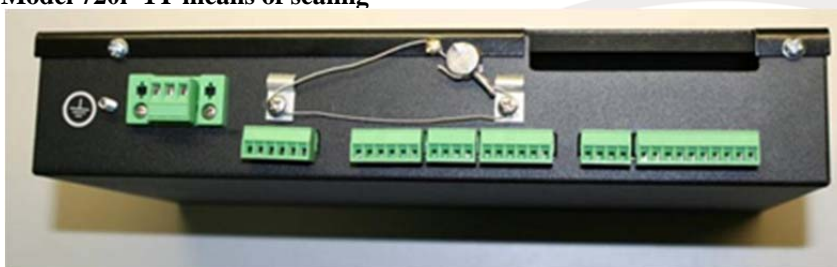
**Type Evaluation Criteria Used:** *NIST Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, 2013 Edition. *NCWM Publication 14 Weighing Devices*, 2012 Edition.

**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) 08-022, 08-022A1

**Examples of Device:**

**Model 720i- 1Y means of sealing**



**Panel Mount**



**Universal Enclosure**

