

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

For:

Indicating Elements
Digital Electronic
Model: PA8101 Series
 n_{\max} : See Table Below

Accuracy Class: III/III L

Submitted by:

Yuyao Pacific Weighing Engineering Co. Ltd.
50 Tan Jia Ling East Road
Yuyao, Zhejiang 315400
P.R. China
Tel: (630) 364-2542
Fax: (630) 364-2542
Contact: Frank Li
e-mail: frank@west-east-international.com

Standard Features and Options

Pound/kilogram unit conversion
Alphanumeric display
Gross/net weight display
Programmable tare
RS 232 communication port
Gross/tare/net weight display (PA8101TS only)

Semi-automatic (push-button) tare
Automatic zero setting mechanism (AZSM)
Keyboard tare
Semi-automatic (push-button) zero
Initial zero setting mechanism (IZSM)

Model	n_{\max}	Display	Power Supply	Enclosure	Keyboard
PA8101	5 000	Light Emitting Diode	AC	Plastic	Partial
PA8101S	10 000	Light Emitting Diode	AC	Stainless Steel	Partial
PA8101BS	10 000	Liquid Crystal Diode	AC/DC & Battery	Stainless Steel	Partial
PA8101TS	10 000	Light Emitting Diode	AC	Stainless Steel	Full

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.



Don Onwiler
Chairman, NCWM, Inc.



James C. Truex
Chairman, National Type Evaluation Program Committee
Issued Date: May 11, 2006

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Application: General purpose indicating element to be interfaced with certified compatible weighing elements.

Identification: The identification is on a self-adhesive tamper evident identification badge on the back panel of the indicator.

Sealing: Sealing is accomplished by threading a physical security seal through two screws on the right hand corner of the indicator's back panel. This prevents access to a calibration jumper switch inside the indicator.

Test Conditions: The Models PA8101, PA8101BS, PA8101TS electronic indicators were submitted for evaluation. The emphasis of the evaluation was on device design, operation, performance, and compliance with influence factor requirements. Each indicator was interfaced with a weight simulator and tested for accuracy over a temperature range of -10 °C to 40 °C (14 °F to 104 °F). Tests were also conducted over a voltage range of 100 VAC to 130 VAC and at 6.0 VDC and 10.0 VDC for Model PA8101BS. Additionally, the indicators were interfaced with weighing elements to verify compliance with motion detection, momentary power loss, and zero function requirements.

Type Evaluation Criteria Used: NIST Handbook 44, 2006 Edition, NCWM Publication 14, 2006 Edition

Tested By: S. Boyd (CA)

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

Information Reviewed By: S. Patoray, L. Bernetich (NCMW)

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PA8101



PA8101TS



PA8101BS

