

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

**For:**

Indicating Element  
Digital Electronic  
Model: DPI-500  
 $n_{\max}$ : 5000

Accuracy Class: III

**Submitted by:**

Yamato Corporation  
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**Standard Features and Options**

Liquid Crystal Display (LCD)  
Stainless steel or plastic housing  
Semi-automatic zero and tare  
External lb/kg  
RS 232 interface  
Power: AC adaptor

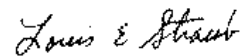
Temperature Range: -10 °C to 40 °C (14 °F to 104 °F)

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.

Effective Date: October 11, 2001



Ronald D. Murdock  
Chairman, NCWM, Inc.



Louis E. Straub  
Chairman, National Type Evaluation Program Committee

Issue date: October 11, 2001

Note: The National Conference on Weights and Measures does not "approve", "recommend", or "endorse" any proprietary product or material, either as a single item or as a class or group. Results shall not be used in advertising or sales promotion to indicate explicit or implicit endorsement of the product or material by the NCWM.

**Yamato Corporation  
Indicating Element  
Model: DPI-500**

**Application:** This indicator may be used with any approved and compatible weighing element for general purpose weighing.

**Identification:** The identification plate is on top of the indicator. The indicator is mounted on a swivel mount that may be turned to view the identification information.

**Sealing:** Calibration and configuration parameters are accessed by toggling an internal switch or jumper to the setup mode. A security seal prevents access to the internal calibration switch.

The model with a plastic case can be sealed using a wire security seal through two screws that secure a cover plate over the opening of the calibration switch and a third screw in the right corner that secures the case cover.

The stainless steel case can be sealed using a wire security seal through two adjacent screws that secure the back cover.

**Test Conditions:** This Certificate supersedes Certificate of Conformance Number 96-163 and was issued without additional testing to reactivate Certificate of Conformance Number 96-163 without lapse. Changes were also made to update the contact information.

**Certificate of Conformance 96-163:** This certificate is issued based on the following tests and upon information supplied by the manufacturer. The emphasis of this evaluation was on device design, operation, and compliance with the influence factor requirements. The indicating element was interfaced to a load cell simulator and tested for accuracy over a temperature range of -10 °C to 40 °C and 100 VAC and 130 VAC. Additionally, the indicating element was attached to a weighing element and tested for compliance with zone of uncertainty, AZSM, width of zero and discrimination requirements. The indicator was attached to a printer to check print format.

The results of this evaluation and information provided by the manufacturer indicate that the device complies with the applicable requirements of NIST Handbook 44.

**Type Evaluation Criteria Used:** NIST Handbook 44, 1996 Edition

**Tested By:** Bill Fishman (NY) and Ed Szesnat (NY) (96-163A1)

**Information Reviewed By:** L. T. Sebring (NIST) 96-163

**Updated By:** Linda Bernetich (NCWM) 96-163A1