

# National Conference on Weights and Measures

15245 Shady Grove Road, Suite 130 • Rockville, MD 20850

Certificate Number: 00-010A2

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

### **For:**

Non-Computing Scale, Weight Classifier;  
Counter/Bench, Digital Electronic  
Model: PS90  
Capacity: 150 lb (60 kg); 300 lb (150 kg)  
 $e_{\min}$ : 0.05 lb (0.02 kg)  
 $n_{\max}$ : 3 000  
Platform: 15.75" x 19.75" (400 x 500 mm)  
Accuracy Class: III

### **Submitted by:**

Mettler-Toledo, Inc.  
1150 Dearborn Drive  
Worthington, OH 43085  
Tel: (614) 438-4393  
Fax: (614) 438-4355  
Contact: Darrell Flocken

### **Standard Features and Options**

Semi automatic (pushbutton) zero  
Automatic zero setting mechanism (AZSM)  
Initial zero setting mechanism (IZSM)  
Remote printer capability  
AC/DC adapter  
External lb/kg conversion  
RS-232 communication port  
Stainless steel platter  
Liquid crystal display (LCD)  
Battery saving feature (Automatic shut-off)  
Gross / Net Display

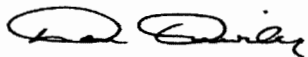
### **Options:**

Ball top platter - Painted steel, stainless steel balls (15.75" x 19.75") (400 x 500 mm)  
Roller top platter - Painted steel, plated rollers (18" x 24") (457 x 609 mm)

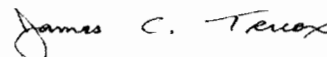
Load cells used: Mettler-Toledo MT1241-100, 100 kg capacity (non-NTEP)  
Load cells used: Mettler-Toledo MT1241-250, 250 kg capacity (non-NTEP)

Temperature Range of -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

Issue Date: May 18, 2006

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.

**Mettler-Toledo, Inc.**  
**Non-Computing Scale**  
**Model: PS90**

**Application:** General-purpose bench and counter scale.

**Identification:** The required information is on an adhesive badge under the platter attached to the base of the scale.

**Sealing:** The scale can be sealed with a wire security seal threaded through a hole in the display mounting bracket and a drilled head screw that secures a plate covering the circuit board to prevent access to the calibration and configuration switch.

**Test Conditions:** This Certificate of Conformance supersedes Certificate 00-010A1 and is issued to correct information in the "For" box and Test Conditions section. No additional testing was required. The previous test conditions are listed below for reference.

**Certificate of Conformance Number 00-010A1:** This Certificate of Conformance 00-010A1 supersedes Certificate 00-010 and is issued to increase the capacity for the model PS90 from 150 lb (60 kg) to 300 lb (150 kg). Also, adding the battery saving feature and gross net display to the device. The emphasis of the evaluation was on the device design, operation, marking requirements and compliance with influence factor requirements. Several increasing/decreasing load and shift tests were performed. The scale was tested over a temperature range of -10 °C to 40 °C (14 °F to 104 °F). A load of approximately one-half scale capacity was applied to the scale 100 058 times. The scale was tested periodically during this time. Tests were also conducted with a power supply of 100VAC or 130VAC. The test results for 00-010 are listed below for reference.

**Certificate of Conformance Number 00-010:** The emphasis of the evaluation was on the device design, operation, marking requirements and compliance with influence factor requirements. Several increasing/ decreasing load and shift tests were performed. The scale was tested over a temperature range of -10 °C to 40 °C (14 °F to 104 °F). A load of approximately one-half scale capacity was applied to the scale 100 184 times. The scale was tested periodically during this time. Tests were also conducted with a power supply of 100VAC or 130VAC.

**Type Evaluation Criteria Used:** NIST Handbook 44, 2000 Edition; NCWM Publication 14, 2000 Edition

**Tested By:** E. Matthews (OH), W. West (OH); A. McCoy (OH), T. Lucas (OH) 00-010A1

**Conclusion:** The results of the evaluations and information provided by the manufacturer indicates the device complies with applicable requirements

**Reviewed By:** S. Patoray (NCWM); L. Bernetich (NCWM) 00-010A1, 00-010A2

