

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

**For:**

Bench Scale or Weight Classifier  
Digital Electronic  
Model: PS60, PS30, PS15, PS3L  
 $n_{\max}$ : 3000  
Capacities: See Page 2  
Platforms: See Page 2

Accuracy Class: III

**Submitted by:**

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**Standard Features and Options**

Configurable as normal rounding bench scale or weight classifier

Automatic multi-interval scale  
Semi-automatic zero (push-button) and tare setting mechanism  
Automatic zero setting mechanism  
Initial zero setting mechanism  
Battery power supply with battery saving feature (auto shut-off)

External lb/kg conversion  
Gross/net display  
AC/DC adapter  
Remote printer capability  
RS-232 communication port

**Platforms:** Stainless steel or high impact plastic platforms  
Ball transfer platter  
Roller top (conveyor) platter

**Options:** Remote display tower  
12 VDC remote power supply or an optional battery  
Single wall mount remote display  
Dual wall mount remote display

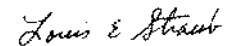
**Load Cells:** Mettler Toledo 100 kg capacity load cells, part numbers (\*) 14535300A, or (\*) 15213900A, or (\*) 15214000A, or (\*) 15302300A. Mettler-Toledo 45kg capacity load cell, part number (\*) 15354000A. Mettler-Toledo 22.5kg capacity load cell, part number (\*) 16160600A.

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.



Ross J. Andersen  
Chairman, NCWM, Inc.



Louis E. Straub  
Chairman, National Type Evaluation Program Committee  
Issue date: May 28, 2003

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**Mettler-Toledo, Inc.**  
**Bench Scale or Weight Classifier**  
**Model: PS60, PS15, PS30, PS3L**

Model	Single or Multi-interval	Max Capacity	emin	Platform Size
PS15	Single	30 lb / 15 kg	0.01lb / 0.005 kg	Hi impact plastic, 10.5" x 11.5"
PS15	Multi	0-15 lb 15-30 lb	0.1 oz 0.2 oz	Hi impact plastic, 10.5" x 11.5"
PS30	Single	70 lb / 30 kg	0.05 lb / 0.02 kg	Hi impact plastic, 11.8" x 13.8"
PS3L	Multi	0-7 lb 7-70 lb	0.1 oz 0.2 oz	Hi impact plastic, 11.8" x 13.8"
PS3L	Multi	0-7 lb 7-70 lb	0.01 lb 0.02 lb	Hi impact plastic, 11.8" x 13.8"
PS60	Single	150 lb / 60 kg	0.05 lb / 0.02 kg	Stainless Steel, 11.8" x 13.8" or Hi impact plastic, 12.3" x 14.3"
PS60	Multi	0-60 lb 60-150 lb	0.02 lb 0.05 lb	Stainless Steel, 11.8" x 13.8" or Hi impact plastic, 12.3" x 14.3"
PS60	Multi	0-150 lb 150-200 lb	0.05 lb 0.2 lb	Stainless Steel, 11.8" x 13.8" or Hi impact plastic, 12.3" x 14.3"

**Application:** Manufacturer configured weight classifier for postal/shipping applications or general-purpose bench scale. If the scale is to be used as a weight classifier, it will be set-up by the manufacturer with rounding up features and will be marked as a weight classifier. Normal rounding bench scale applications will not have any special application markings.

**Identification:** The required information is on an adhesive badge located under the scale platter.

**Sealing:** The scale can be sealed with a wire security seal threaded through a screw in an access platter that covers the set-up and calibration features.

**Test Conditions:** This Certificate supersedes Certificate of Conformance Number 95-165A5 and is issued to increase maximum capacity to 200 lb. The emphasis of the evaluation was on the device design, operation, and compliance with influence factor requirements. For the purpose of this evaluation a Model PS 60 multi-interval device, 0-150 x 0.05 lb/150-200 lb x 0.2 lb was submitted. 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). The previous test conditions are listed below for reference.

**Certificate of Conformance Number 95-165A5:** This Certificate supersedes Certificate of Conformance Number 95-165A4 and is issued to include the models PS15, PS30 and PS3L. The emphasis of the evaluation was on the device design, operation, and compliance with influence factor requirements. For the purpose of this evaluation one of each model was submitted. The Model PS 15 (30 lb x 0.01lb), and Model PS30 (70 lb x 0.05 lb) were tested as bench scales, the PS3L (0-7 lb x 0.01 lb, 7-70 lb 0.02 lb) was tested as a weigh classifier/multi-interval scale. Several increasing/decreasing load and shift tests were performed with a power supply of 100 VAC or 130 VAC applied to the scale. 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 over 100 000 times. The scale was tested periodically during this time. The previous test conditions are listed below for reference.

**Mettler-Toledo, Inc.**  
**Bench Scale or Weight Classifier**  
**Model: PS60, PS15, PS30, PS3L**

**Certificate of Conformance Number 96-165A4:** This Certificate supersedes Certificate of Conformance Number 95-165A3 and is issued to add hi-impact plastic platform, roller (conveyor) platform, and Mettler Toledo load cell part number 15302300A. The emphasis of the evaluation was on the device design, operation, and compliance with influence factor requirements. A Mettler Toledo Model PS-60, 150 lb x 0.05 lb (60 kg x 0.02 kg) was submitted for evaluation. 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 100 080 times. The scale was tested periodically during this time.

**Certificate of Conformance Number 95-165A3:** This Certificate supersedes Certificate of Conformance Number 95-165A2 and is issued to add the option of a single or dual wall mounted display. No additional testing was required.

**Certificate of Conformance Number 95-165A2:** This Certificate supersedes Certificate of Conformance Number 95-165A1 and is issued to include the option of using any of the three load cells: Mettler Toledo part number 14535300A (100 kg capacity), Mettler Toledo part number 15213900A (100 kg capacity), or Mettler Toledo part number 15214000A (100 kg capacity). Since these load cells have been evaluated in several other models with the same capacity and division size, and the mounting and the electronics in the model PS60 are the same as in other models previously evaluated, no testing was necessary.

**Certificate of Conformance Number 95-165A1:** This Certificate was issued to include the multi-interval feature. The emphasis of the evaluation was on the device design, operation, and compliance with influence factor requirements. The scale was evaluated as a bench scale and a weight classifier. Several increasing/ decreasing load and shift tests were performed with a 100 VAC or 130 VAC applied to the scale. Tests were also performed with a 9 VDC and 15 VDC power supply. 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 100 800 times. The scale was tested periodically during this time.

**Certificate of Conformance Number 95-165:** The emphasis of the evaluation was on the device design, operation, and compliance with influence factor requirements. Several increasing/decreasing load and shift tests were performed with a power supply of 100 VAC or 130 VAC applied to the scale. Tests were also performed with a direct current power supply. 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 over 100 800 times. The scale was tested periodically during this time.

The results of these evaluations and a review of technical information supplied by the manufacturer indicate the device conforms to the applicable requirements of NIST Handbook 44.

**Type Evaluation Criteria Used:** NIST Handbook 44, 2002 Edition

**Tested By:** A. McCoy (OH) 95-165A5, 95-165A1; T. Lucas (OH) 95-165A4, 95-165A6

**Reviewed By:** S. Patoray (NCWM) 95-165A3, 95-165A4, 95-165A5, 95-165A6; L. Bernetich (NCWM) 95-165A5, 95-165A6