

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

**For:**

Indicating Element  
Digital Electronic  
Model: ID30  
 $n_{\max}$ : 10 000 (Class III)  
32 000 (Class II)  
  
Accuracy Class: II/III

**Submitted by:**

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**Standard Features and Options**

$n_{\max}$ : Class II: 32 000 with approved and compatible Class II weighing element

Semi-Automatic (push button) zero setting mechanism  
Automatic Zero Setting Mechanism (AZSM)  
Initial Zero Setting Mechanism (IZSM)  
Semi-Automatic (push button) Tare  
Keyboard Tare  
Auto Tare  
Gross/Net/Tare Display

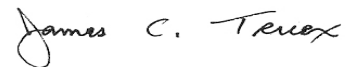
AC Power Supply  
Unit switching  
RS232 Port  
Remote Printer Capability  
IDNet (interfaced to compatible IDNet devices)  
Alphanumeric Display  
Multi-deck capabilities

Temperature Range: Class II: 0° C to 40° C (32° F to 104° F)  
Class III: -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.



G. Weston Diggs  
Chairman, NCWM, Inc.



James C. Truex  
Chairman, National Type Evaluation Program Committee

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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**  
**Indicating Element**  
**Model: ID30**

**Application:** General purpose indicating element for use with NTEP approved and compatible weighing elements. The indicator is a PC interfaced with the weighing device.

**Identification:** The required information for the Manufacture, Model, Serial Number, NTEP CC appears on the back of the indicator and on the Accuracy Class, Nmax, and number of scales appear on the display. The capacity x division statement, and Capacity in all weight ranges is on a self-destructive badge adjacent to the weight display.

**Sealing:** The device has a separate box that contains all the metrological features. The Elo Box (Electronics Box) can be sealed by threading a wire security seal through the holes in two tabs on the rear cover.

**Test Conditions:** The emphasis of the evaluation was on the device design, operation, and marking requirements. The indicator was interfaced with a Mettler-Toledo Models SW (Certificate of Conformance Number 98-110A2) for Class III approval, KA series (00-075A1) for Class II approval load-receiving elements to verify compliance with zero, zone of uncertainty, and motion detection requirements and a load cell simulator. A DES checklist from NCWM Publication 14, 2004 Edition was used to verify compliance. The ID30 is identical to the ID1 Plus and ID3-A Series (Certificate of Conformance Number 00-074) indicator. Based on the information supplied by the manufacturer, there was no need for additional testing.

**Evaluated By:** A. McCoy (OH)

**Type Evaluation Criteria Used:** NIST Handbook 44, 2004 Edition, NCWM Publication 14, 2004 Edition

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

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