



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Computing Scale
Digital Electronic
Models: A51Pxyz and A71Pxyz
 n_{max} : 3 000 / Multi-Interval
 e_{min} : (see below)
Capacity: 15 to 60 lb (6 to 30 kg)
Platform: 13.2 in x 9.4 in (337mm x 240 mm)
Accuracy Class: III

Submitted By:

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Standard Features and Options

- Automatic Zero Tracking (AZT)
- Initial Zero Setting Mechanism (IZSM)
- Semi-Automatic (Push Button) Zero
- Keyboard Tare
- Programmable Tare (A71 models Only)
- Semi-Automatic (push-button) Tare
- Tare Save Key
- AC Power
- DC/ Battery Power
- Alphanumeric Display
- Liquid Crystal Display
- Customer Dual Display
- Gross/Tare/Net Display
- RS-232
- External Unit Conversion Key lb/kg
- Power Save Feature (Auto Shut Off)

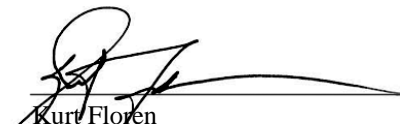
Load Cell Used:


- Mettler-Toledo AMI 11, 22, 40 kg (Non-NTEP)

| Models | Capacity x d (lb) | Capacity x d (kg) | n_{max} |
|-------------------------|------------------------|------------------------|-------------------|
| A51P6Lz & A51P6TLz | 15 x 0.005 | 6 x 0.002 | 3000 |
| A51P15Lz & A51P15TLz | 30 x 0.010 | 15 x 0.005 | 3000 |
| A51P30Lz & A51P30TLz | 60 x 0.02 | 30 x 0.01 | 3000 |
| *A71P15DNz & A71P15DTNz | 15 x 0.005 / 30 x 0.01 | 6 x 0.002 / 15 x 0.005 | 3000 (each range) |
| *A71P30DNz & A71P30DTNz | 30 x 0.01 / 60 x 0.02 | 15 x 0.005 / 30 x 0.01 | 3000 (each range) |
| *Multi-interval models | | | |

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

This device was evaluated under the National Type Evaluation Program and was found to comply with the applicable technical requirements of "NIST 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.


Kurt Floren
Chairman, NCWM, Inc.


Jim Tyson
Chairman, National Type Evaluation Program Committee
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Ohaus Corporation

Computing Scale / A51Pxyz and A71Pxyz

Application: General purpose computing scale for retail use.

Identification: A self-destructive identification label is attached to the right side of the housing.

Sealing: The device is sealed using a wire seal threaded through the heads of two (2) screws located on the bottom housing.

Test Conditions: The emphasis of the evaluation was on device design, operation, marking, performance, and compliance with influence factor requirements. Models submitted for evaluation were A71P15DNz and A71P30DTNz. Tests to verify compliance with zero, zone of uncertainty and motion detection requirements were performed. A checklist was completed and several increasing/decreasing and shift tests were performed. The scale was tested over a temperature range of -10 °C to 40 °C (32 °F to 104 °F). A load of approximately one-half capacity was applied to the scale over 100 000 times. The scale was tested periodically over this time. Voltage variation tests were also performed.

This device was evaluated by Measurement Canada under the Mutual Recognition Agreement (MRA) and the technical data was reviewed by the Maryland NTEP laboratory.

Evaluated By: R. Henshaw (MC); E. A. Payne, Jr. (MD)

Type Evaluation Criteria Used: NIST, Handbook 44: Specifications, Tolerances and Other Technical Requirements for Weighing and Measuring Devices, 2012. NCWM, Publication 14: Weighing Devices, 2011.

Conclusion: The results of the evaluation and information provided by the manufacturer indicate the device complies with applicable requirements.

Information Reviewed By: J. Truex (NCWM)

Examples of Device:



Model A51PxLz



Model A71PxDNz



Model A51PxTLz



Model A71PxDTNz