

State of California
Department of Food and Agriculture
Division of Measurement Standards

Certificate Number: 5330-03

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California Type Evaluation Program
Certificate of Approval
for Weighing and Measuring Devices

For:

Indicating Element
Digital Electronic
Model: AW1620
 n_{\max} : 10 000

Accuracy Class: III/III L

Submitted by:

Air-Weigh, Inc.
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Standard Features and Options

Semi-automatic (push-button) zero
Semi-automatic (push-button) tare
Keyboard tare
Pound/kilogram conversion (units key)
Internal AC adapter
RS 232 communication port
LED (light emitting diode display)

This device was evaluated under the California Type Evaluation Program (CTEP) and was found to comply with the applicable technical requirements of California Code of Regulations for "Weighing and Measuring Devices." Evaluation results and device characteristics necessary for inspection and use in commerce are on the following pages.

Effective Date: April 18, 2003



Mike Cleary, Director

Air-Weigh, Inc.
Indicating Element
Model: AW1620

Application: The indicator may be used with any approved and compatible weighing elements for general purpose weighing.

Identification: The identification label 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 a jumper to a set-up mode. Access to this internal calibration switch may be prevented by threading a wire security seal through two adjacent screws that secure the back cover.

Operation: The “piece count” and “custom unit” functions must be disabled and their access sealed when the indicating element is used in “legal-for-trade” applications covered under this certificate. The “UNITS” key may be repeatedly pressed to verify that these functions are not accessible.

Test Conditions: This device is manufactured by Transcell Technology, Inc. as their Model TI-1620 (Certificate of Conformance Number 99-017). This Certificate of Approval is issued to Air-Weigh, Inc. to private label the Model AW1620. The Air-Weigh, Inc. device Model AW1620 is identical to the to the Transcell Technology, Inc. Model TI-1620 except for the model number and distributor markings. This certificate is issued based upon information and authorization provided by Air-Weigh Inc. and Transcell Technology, Inc. The identification labels were tested for permanence of lettering and adhesive attachment.

Certificate of Conformance Number 99-017: The emphasis of this evaluation was on device design, operation, and compliance with the influence factor requirements. Models TI-1530 and TI-1600 were submitted for evaluation. The indicating elements were interfaced to load cell simulators and tested for accuracy over a temperature range of -10 °C to 40 °C and 100 VAC and 130 VAC. Additionally, the indicating elements were attached to the weighing elements and tested for compliance with zone of uncertainty, AZSM, width of zero, and discrimination requirements. One indicator was connected to a printer to check print format.

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

Type Evaluation Criteria Used: Title 4, California Code of Regulations, 2003 Edition

Tested By: Bill Fishman (NY) (NTEP CC 99-017)

Updated By: John Roach (CA)