NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:
Non-Computing Scale
Digital Electronic
Model: EKj Series
n_{max}: 6000
Capacity: See table on page 2*

Accuracy Class: II

***Submitted By: Contact Info. Updated December 2019**
A&D Engineering, Inc.
1756 Automation Way
San Jose, CA 95131
Tel: 408-518-5132
Fax: 408-263-0119
Contact: Markus Jansons
Email: mjansons@andonline.com
Website: www.andonline.com

Standard Features and Options

Semi-automatic (push button) zero setting mechanism
Initial (IZSM) zero setting mechanism
Automatic (AZSM) zero setting mechanism
Semi-automatic (push button) tare
LCD display
Battery saving feature (auto-shut off)
Battery power supply
AC/DC adapter
Units (g, lb, oz, ozt, ct)

A label stating, "The counting feature is not legal for trade" is attached near the weight display.

Load cell used: A&D Part number LC-148-300 (non NTEP)
A&D Part number LC-140-6000 (non NTEP)

Temperature range: 5 ºC to 35 ºC (41ºF to 95ºF)

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. *Editorial changes, not affecting the type or metrological content, corrected this certificate.

Craig VanBuren
Chairman, NCWM, Inc.

Stephen Benjamin
Committee Chair, NTEP Committee
Issued: May 5, 2006

1135 M Street, Suite 110 / Lincoln, Nebraska 68508

A&D Engineering, Inc.

Non-Computing Scale / EKi Series

Application: Non computing scale used for general purpose weighing applications.

Identification: The manufacturer's identification, model number, and serial number are on a pressure sensitive, self-destructive label located on the side of the device.

Sealing: The device may be sealed by threading a wire security seal through a tab on the calibration switch access cover and a tab on the upper case of the device. The access cover is located on the back of the device.

*** Capacities, division sizes, n_{max} and pan sizes**

Model	Capacity (g)	n_{max}	e (g)	d (g)	Pan Size in mm
EK-610j	600	6000	.1	.01	110 dia.
EK-6100j	6000	6000	1	.1	133 x 170

Test Conditions: The emphasis of the evaluation was on the device design, operation, marking requirements and compliance with influence factor requirements. For the purpose of the evaluation, a model EK-610j, and a model EK-6100j were submitted. Several increasing/decreasing load and shift tests were conducted on each device. The devices were tested over a temperature range of 5 ºC to 35 ºC (41 ºF to 95 ºF). A load of approximately one-half capacity was applied to each device over 100 000 times. The device was tested periodically during this time. Tests were also conducted with a power supply of 100 VAC to 130 VAC, and 5.8 VDC to 9.0 VDC

Evaluated By: T. Buck (OH), W. West (OH), T. Lucas (OH)

Type Evaluation Criteria Used: NIST Handbook 44, 2006 Edition; NCWM Publication 14, 2005 Edition

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

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