



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Computing Scale
Load Cell, Electronic
Model: ER JR xxB and ER JR xxU
 n_{max} : 3000
Capacity: 30 lb (15 kg)
 e_{min} : 0.005 lb (0.002 kg)
Platform: 8.22 inch x 11.41 inch (290 mm x 209 mm)
Accuracy Class: III

Submitted By:

CAS USA, Corporation
99-A Murray Hill Parkway
East Rutherford, NJ 07073
Tel: 201-933-9002
Fax: 201-933-9025
Contact: William Moutenot
Email: bill@cas-usa.com
Web site: www.cas-usa.com

Standard Features and Options**Standard Features:**

- Display: Dual LCD, Base Mount (B) or Pole Displays (U)
- PLU Capability, 3 Direct Keys with Names
- Tare: Platter, Keyboard, Programmed with PLU
- Enunciators for: lb or kg and \$/lb or \$/kg
- AC Power Supply with Internal Recharging DC Battery with Low Battery Indicator
- Automatic Zero Setting Mechanism (AZSM)
- Initial Zero Setting Mechanism (IZSM)
- Semi-Automatic (push button) Zero
- Back Light and Power Saver Options

Options:

- Thermal Printer, External, CAS model DLP-50 or DEP-50 or Equivalent, using RS232 Communication

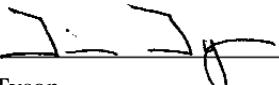
Load Cells Used:

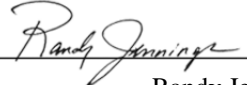
- CAS Non-NTEP SW 15kg
- Available as a Single interval or with a Multi-interval capabilities:

Capacity (lb)	d = e	Capacity (kg)	d = e
0-15 / 15-30 lb	0.005 / 0.01 lb	0-6 / 6-15 kg	0.002 / 0.005 kg
0-30 lb	0.01 lb	0-15 kg	0.005 kg

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.


Tim Tyson
Chairman, NCWM, Inc.


Randy Jennings
Chairman, National Type Evaluation Program Committee
Issued: November 2, 2010

1135 M Street, Suite 110 / Lincoln, Nebraska 68508

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CAS USA, Corporation

Computing Scale /ER JR xxB and ER JR xxU

Application: General purpose computing scale for direct sale of commodities in stores such as: supermarkets, delicatessens and groceries.

Identification: A metallic identification tag is riveted to the left side of the scale.

Sealing: This scale utilizes a category one sealing method. The scale may be sealed with a wire security seal. This seal is threaded through two sealing bolts which secure a sealing plate that prevents access to the calibration switch. The seal is located under the scale in a recessed area in front of the DC battery compartment.

Operation: Model ER JR is available in two display configurations. This scale has an external lb or kg conversion switch which only operates at gross load zero. The scale has dual markings and the lb or kg switch changes enunciators for proper indications. Tare weight may be entered using: platter tare, key board tare and tare programmed with a PLU. When a programmed PLU is utilized and a tare value is programmed with the PLU, this weight value will lock the device into a specific weight range (lb or kg). Weight labels issued from a remote printer connected to this scale, must meet all the applicable requirements of NIST Handbook 130.

Test Conditions: The emphasis of this evaluation was on device design, marking requirements, performance and compliance with influence factor requirements. A model ER JR 30U 0-15 x 0.005 lb/15-30lb x 0.01 lb scale was submitted for this evaluation. Several increasing/decreasing load and shift tests were conducted in all ranges. Power supply voltages from 100 to 130 VAC and battery voltages from 5.6 VDC to 13.2 VDC were tested. A remote printer was connected through the RS232 port to evaluate the new weight format. The device was tested over a temperature range of -10 °C to 40 °C (14°F to 104°F). Loads of approximately one-half capacity were applied to the scale over 100 000 times. Increasing and decreasing loads, and shift tests were conducted periodically during this time.

Evaluated By: E. A. Payne, Jr. (MD)

Type Evaluation Criteria Used: NIST, Handbook 44: Specifications, Tolerances and Other Technical Requirements for Weighing and Measuring Devices, 2010. NCWM, Publication 14: Weighing Devices, 2010.

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)

Example of Device:



Model: ER JR Base Model (optional pole mounted not shown)