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

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

For:
Electronic Watt-Hour Meter
Model: 7BX01-X0X
Generic Name: Mini Meter
Voltage Rating: 120/208/240 VAC
Class: 100 (100 Amps Max.) TA: 15 Amps
Class: 200 (200 Amps Max.) TA: 30 Amps

Submitted by:
Leviton Manufacturing Co.
formerly Integrated Metering Systems, Inc.
20494 S.W. Teton Avenue
Tualatin, OR 97062
Tel: 727-539-1813
Fax: 727-539-1984
Contact: Charlie Wilde
Internet: www.leviton.com

Standard Features and Options

Meter **Model Designation:**

7	B	X01	-	X	0X
Mini Meter Series	Individual Meter Enclosure	Voltage 101 = 1 pole, 1PH, 2W; 120v 201 = 2 pole, 2PH, 3W; 120/208/240v	-	Counter Type H = 1Kwh isolated output - meter only S = Self Contained Counter - meter only T = 0.1Kwh isolated output - meter only U = 0.1Kwh and SCC - meter only	CT Rating 01 = 100:0.1 02 = 200:0.1

Current Transformers (CTs) Model Designation:

C	D	X	0X	X	X
Current Transformer	D = Solid Core	Vendor Code A = IMS-WEGO (larger CT) E = WEGO (smaller CT)	01 = 100 Amps 02 = 200 Amps	K = Black L = Blue R = Red	X = 11 or 12 non metrological

External Indicating Elements: 12VDC analog indicating element or 12 VDC liquid crystal display (LCD)

Note: This meter can also have an internal LCD 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.

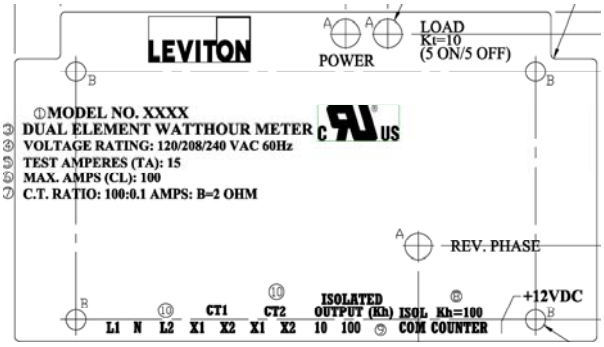
Effective Date: August 30, 2011

Kristin J. Macey, Director

Leviton Manufacturing Co.
Electronic Watt-Hour Meter / Model: 7BX01-X0X

Application: For use in legally sub-metered service systems.

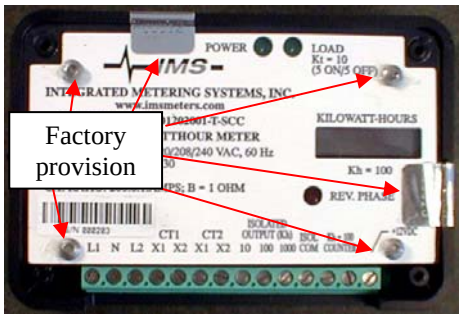
Identification: The watt-hour meter identification label is applied to the face of the meter. The CT identification is attached to the face of the CTs.

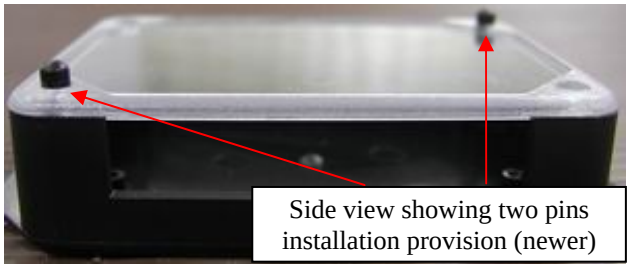


Sealing: The Mini Meter (MM) model has three types of sealing provisions: factory, testing and installation provisions.

- Factory Provision: The manufacturer's supplied ID label is secured with two adhesive tamper evident security seals (factory seals) and epoxy cement covers all four of the label mounting screw heads. This prevents access to two metrologically adjustable components located under the plastic ID label.

- Installation Provision: The newer meter provision uses a clear plastic lid and the black case has two pins with drilled holes for two wire security seals on both sides to prevent terminal tampering after installation. The older provision has two drilled holes on both sides, for wire security seals, in the black plastic case and clear plastic lid. This provision seals the terminal block connection once installed by a service agent.





Leviton Manufacturing Co.
Electronic Watt-Hour Meter / Model: 7BX01-X0X

Operation: The **"POWER"** LED is illuminated whenever line voltage is present. The **"LOAD"** LED provides a visual display of KWh usage, with a pulse rate (Kt) of 10 (i.e., 5 watt-hours on, 5 watt-hours off). The load LED will not change states unless a load is applied.

The terminals labeled **"L1"** and **"N"** are the AC voltage supply terminals for 120 VAC. The terminals labeled **"CT1"** (x1 and x2) are the CT terminals for a single element (2-wire meter). The terminals labeled **"L2"** and **"CT2"** (x1 and x2) are used for the 208/240 VAC supply and dual element (3-wire meter).

Test Conditions: This certificate is issued to change the name from Integrated Metering Systems (IMS), Inc. to Leviton Manufacturing Co, Inc. The emphasis of the evaluation was on adding model number cross over from IMS to Leviton and adding the CL100/TA15 meter with 100:0.1 CT. There may be some hybrid CT and meter model numbers and manufacturer names until the stock of IMS meters and CTs are all utilized. Previous tests conditions are listed below for reference.

Certificate of Approval Number 5361(a)-06: This certificate was issued to add a new sealing method to the Mini Meter series meter, a new wiring style and a new CT (Model CT200124XX-A). New and old sealing meter model versions with new and old CTs Model CT200124XX (old), and CT200124XX-A (new) as well as five external indicating elements were submitted for evaluation. The emphasis of the evaluation was on the new sealing provisions and to insure the new and old CTs work with the new and old versions of the meter. The meters were tested at the Division of Measurement Standards lab. The meters were subjected to a combined total of over 90 tests from 3 amps to 60 amps at both unity and 0.5 power factors. Previous tests conditions are listed below for reference.

Certificate of Approval Number 5361-03: Samples of each model meter, current transformer, and register/counters were submitted for evaluation. The meters were initially tested at the Division of Measurement Standards (DMS) lab. The meters were then sealed and installed at a field location. After a permanence period of approximately 30 days the meters were returned to the DMS lab for retesting. The meters were subjected to a combined total of over 350 tests from 3 amps to 60 amps at both unity and 0.5 power factors.

Results of the evaluations indicate the devices comply with applicable requirements.

Type Evaluation Criteria Used: Title 4, California Code of Regulations, 2011 Edition

Tested By: John Roach (CA) 2011