

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

Certificate Number: 5437-05

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

For:

Electronic Watt-Hour Meter
Generic Name: Metermaid
Model: M30

Submitted by:

Microcustom International Ltd.
Rence Park Farm
Chelmondiston, Ipswich IP9 1HB
United Kingdom
Tel: 011 44 1473 780724
Fax: 011 44 1473 780807
Contact: Colin Brinkley

Standard Features and Options

100-130 volts AC
Class 30
TA 15 amps
Kh 0.5
LED (1 flash = 0.5 watt-hours)
Electro-mechanical register
 0.1 kilowatt-hour minimum display increment
 Six digit non-resettable display
30 amps maximum
Single phase
Single element
60 HZ

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: July 14, 2005



Mike Cleary, Director

Microcustom International Ltd.
Electronic Watt-Hour Meter
Model: M30

Application: For use when installed on the load side of the serving utility's master meter in legally submetered RV parks and marinas.

Identification: The meter identification is located on the meter housing.

Sealing: The meter does not require a security seal. The meter case is filled with resin. This seals the meter case and encases the measuring elements, which prevents access to the adjustable components. The line side connections of the meter must be hardwired and contained within a sealable enclosure.

Operation: The meter shall be installed where the meter class equals or exceeds the total capacity in amperes of the thermal overload protectors.

Test Conditions: This certificate is issued to change the model number and wiring color code to bring the meter in line with US electrical standards. The original model was 32/1 (Certificate of Approval Number 5166-01) and has been relabeled to Model M30. The housing is now made of a flame-retardant material but the metrological portion of the meter is unchanged. No evaluation was performed on this meter and is approved based on information supplied by the manufacturer.

This is a 120 volt, 2-wire meter.

When connecting a Knopp standard to the meter for testing:

- The "A" lead (hot) is connected to the line side (black wire) of the meter.
- The "B" lead (neutral) is connected to the line side (white wire) of the meter.
- The "C" lead is not used.
- The "D" lead (current) is connected to the load side (black wire) of the meter.

NOTE: The meter is marked with arrows pointing to the "load" and "line" sides of the meter.

The results of the evaluation indicate the device complies with applicable requirements.

Type Evaluation Criteria Used: Title 4, California Code of Regulations, 2005 Edition

Tested By: Dan Reiswig (CA)

