

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

Certificate Number: 5760-15
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California Type Evaluation Program
Certificate of Approval
for Weighing and Measuring Devices

For:

Electric Watt-hour Meter
Electronic with current transformers
Models: Polaris-XXX-B
Class: 200 (200 Amps Max.)
TA: 30 Amps
Voltage Rating: 120/208/240VAC

Submitted by:

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Standard Features and Options

Meter Model Designation:

Polaris	XYZ	B
Base Model	120 = 120VAC to neutral	B = Class 200
	208 = 208 VAC to neutral	
	240 = 240VAC to neutral	

Current Transformer (CT):

DAE Model: CT-200D3 (black in color, closed loop style), Accuracy class 0.2, Rating, 200A:66.7mA
CTs are not direction sensitive; however, DAE CTs include a load direction arrow.

LED Display Register:

LED (Light Emitting Diode) display is 0.1kWh registration

NOTE:

1. The mark "M:PXXX-XXXX" on the meter label is the ordering code not the model number.
2. The term "Polaris 1000, 1500, 2000, 2500, 3000" on the label is the manufacturer's form of identification and does not depict their physical Ampere Class.

This device was evaluated under the California Type Evaluation Program (CTEP) and was found to comply with the applicable 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: October 12, 2015

Kristin J. Macey, Director

DAE CONTROLS, LLC
Electric Watt-Hour Meter / Polaris XYZ-B

Application: For use as a watt-hour metering system in legal sub-metered electric service applications.

Identification: The watt-hour meter identification labels are attached to the front of the meter and both sides of the body of the meter. The current transformer (CT) label is applied to the face of the CT.

Sealing: The meter is equipped with two drilled head screws which allow wire security seals to be placed on each of two meter covers.

Operation: When AC power is applied and a load is present, the Pulse LED provides a flashing visual display of kWh usage (with a load), with a pulse rate (Kt) of 1 (i.e., one instant flash is 1 watt-hour).

Test Conditions: Three meters and six CTs were submitted to the lab for testing. The emphasis of the evaluation was on marking, sealing, design, and performance from 3 amps to 50 amps at both unity and 0.5 power factors. Similar tests were repeated after a throughput of over 20 days.

Evaluated By: J. Roach

Type Evaluation Criteria Used: Title 4, California Code of Regulations, 2015 Edition

Conclusion: The results of the evaluation and information provided by the manufacturer indicate the device complies with applicable requirements.

Example(s) of Device:



Side View of Meter with Front and Side Identification and Sealing Provisions

DAE CONTROLS, LLC
Electric Watt-Hour Meter / Polaris XYZ-B



Side View of the Meter with Additional Identification Markings