

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

Certificate Number: 5541-07

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

**For:**

Water Meter  
Multi-Jet  
Domestic Type Cold Water Meter  
Model: Multimag  
Size: 5/8" X 3/4"

**Submitted by:**

Actaris Liquid Measurement, LLC (Manufacturer)  
Norgas (Distributor)  
1310 Emerald Road  
Greenwood, S.C. 29646  
Tel: (864) 223-1212 Ex. 7496  
Fax: (864) 223-0341  
Contact: Martin R. Smith  
Internet: <http://www.actaris.com/>

**Standard Features and Options**

**Main Case:** Bronze

**Register Type:**

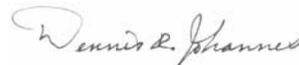
- Two dial six wheel odometer type register with one fixed zero
- Magnetic drive
- Plastic register case

**Units of Measure:** US Gallons

**Option:** Reed Switch pulse output or serial communication (Not Tested)  
(The Reed Switch can be temporarily removed for testing purposes)

**Note:** Approved for use only when installed according to the manufacturer's instructions in a "**HORIZONTAL**" position. The American Water Works Association cautions against installing cold-water meters in such locations where the line temperature consistently exceeds 80 °F (27 °C). These devices are to be installed where they are protected from excessive heat and freezing conditions.

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: October 16, 2007

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Dennis Johannes, Director

**Actaris Liquid Measurement, LLC**  
**Water Meter**  
**Model: Multimag**

**Application:** Approved for use as a domestic cold water meter in legal sub-metering installations.

**Identification:** The manufacturer's name and distributor's name are on the face of the dial on the register. The model number is engraved on a cast flat area on the side of the bronze meter body. The serial number is located on the discharge end of the bronze meter body.

**Sealing:** The meter can be sealed with a wire security seal threaded through a drilled hole in a bolt located over the adjusting screw and through a hole in the register retaining ring.

**Operation:** The meter utilizes a multi-jet measuring element and a magnetically driven register. Multi-jet measuring element converts flow velocity into a volumetric registration of gallons.

**Test Conditions:** Three meters with US gallon registers were submitted for evaluation. After a successful initial examination, the meters were set up to recirculate 200 000 gallons for the permanence test. Following the completion of throughput, a subsequent test was performed.

Results of the evaluation indicate the device complies with applicable requirements.

**Type Evaluation Criteria Used:** Title 4, California Code of Regulations, 2007 Edition

**Tested By:** J. Roach

