

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

Certificate Number: 5278-01

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

For:

Vehicle Tank Metering System

Models: S and MP

Submitted by:

Palomar Mountain Spring Water, Inc

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**Standard Features and Options**

- 1" Schlumberger Model S or 1" Schlumberger Model MP positive displacement meter
- Minimum flow rate: 3 GPM
- Maximum flow rate: 20 GPM
- Electronic controller/register is a Veeder-Root Model 845600-100 (Generic name: EMR-100)
- LCD display of gallons dispensed
- Minimum indication is 0.1 gallons
- Cab mounted Epson Model M66SA printer
- Cab mounted interconnect box

These devices were evaluated under the California Type Evaluation Program (CTEP) and were 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: August 14, 2001

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Mike Cleary, Director

**Palomar Mountain Spring Water, Inc.  
Vehicle Tank Metering System  
Models: S and MP**

**Application:** Approved for delivering potable water only.

**Identification:** The aluminum identification plate is mounted on the right hand wall of the meter compartment.

**Sealing:** The electronic meter register has provisions for a wire security seal through drilled cover bolts. Inside the electronic meter register, the central processing unit has a button to enable the calibration and configuration mode. A delivery cannot be indicated or printed unless the system is in the normal delivery mode. The electronic meter register also has provisions to be sealed to the mounting assembly with a wire security seal through drilled mounting bolts. Meter adjustments are made using change gear combinations. The change gear access plate is sealed with a wire security seal through drilled screws.

**Operation:** This system consists of an approved water meter and an approved controller/register mounted on a tank truck. The system is used to make deliveries of potable water to fill or top off customers' storage tank(s). A delivery ticket is printed showing the beginning and ending volume reading in tenths of a gallon.

**Test Conditions:** The tested system consisted of a truck mounted tank, pump, hose reel, nozzle, either a 1" Schlumberger Model S or 1" Schlumberger MP positive displacement meter, Veeder-Root Model EMR-100 electronic controller/register, and Epson Model M66SA printer. All fittings were stainless steel or food grade material. The emphasis of the evaluation was on system design and performance. Accuracy and performance tests were conducted on site, at three different flow rates, on both models. The systems were placed in service. The same tests were repeated after 112 days and over 58 000 gallons of throughput per model.

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

**Type Evaluation Criteria Used:** Title 4, California Code of Regulations, 2001 Edition

**Tested By:** D. Reiswig (CA) and J. Raspino (CA)