

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

Certificate Number: 3817-92

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

For:

Domestic Type
Multi-Jet
Water Meter
Sizes: 5/8" to 1"
(Frost Protection Type Only)

Submitted by:

Master Meter
1001 McKesson Drive
Longview, TX 75604
Tele: (903) 297-0635
Contact: Jerry Potter

Standard Features and Options

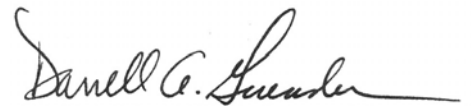
- Sealed register (gallon/cubic foot)
- Magnetic drive
- Leak indicator
- Bronze case
- Frost protection type design (equipped with a freeze plug)

NOTE: Approved for use when installed in a "HORIZONTAL" position only.

The American Water Works Association (AWWA) 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 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: November 4, 1992



Darrell A. Guensler
Director, Division of Measurement Standards

**Master Meter
Multi-Jet Water Meter**

Application: Approved for use as a domestic type cold-water meter when installed in a horizontal position only.

NOTE: Written installation instructions shall be included with each meter.

Identification: The meter size and flow direction indications are cast into the main case. The manufacturer's name and serial number prefaced with S/N are embossed on the register cover.

Sealing: A tamper-proof seal is placed over the sealable calibration plug at the factory. Removal of this seal exposes provision for applying a wire security seal.

Operation: The Master Meter utilizes a multi-jet type measuring element and a magnetically driven register. The multi-jet measuring element converts flow velocity into a volumetric registration of gallons or cubic feet.

Test Conditions: Several meters with the frost protection type design (equipped with a freeze plug) were submitted for type evaluation. After a successful initial examination, the test meters were set-up to recirculate 200,000 gallons for the permanence test. Following the completion of throughput, a subsequent test was performed and the results indicate the meters comply with the code requirements.

Type Evaluation Criteria Used: 1991 Edition, California Code of Regulations, Title 4

Tested By: R. Malloy (CA)