

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

Certificate Number: 5554-08

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

For:

Hydrocarbon Gas Vapor Measuring Device
Model: A01
G4 – G6 Type
Maximum flow rate capacity: 10 cubic meters/hr
Volume display capacity: 99 999.999 cubic meters
Volume display resolution: 0.001 cubic meters (one liter)

Submitted by:

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Standard Features and Options

Transparent acrylic glass meter casing (Polymethyl methacrylate, PMMA)
Silicon integrated sensor enclosed in an aluminum chamber
Two line digital electronic display for flow rate (in liters per minute) and volume (in cubic meters)
Two permanently attached 90 degree G3/4" union flat F connections (inlet and outlet connections)
Maximum operating pressure: 130 psig
Pressure and temperature (PT) compensating
For indoor installations only
Optional remote display

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: April 14, 2008

Edmund E. Williams, Acting Director

**Van Putten-Gas Energy Observatory (VPGEO)
Hydrocarbon Gas Vapor Measuring Device
Model: A01**

Application: Measurement of vaporized gas within the maximum flow range.

Identification: The required information is located on the meter casing face plate near the digital display.

Sealing: A tamper evident seal and a drilled head screw are used to seal the front meter casing to the meter back plate.

Test Conditions: A Model A01 G4-G6 type was submitted for testing. Accuracy tests at five different flow rates ranging from 0.6 cubic meters per hour up to 9.5 cubic meters per hour were performed four times each using a standard 5 cubic foot bell prover. These tests were also performed at the minimum and maximum supply voltage used to power the device. In addition, the device was subject to a low flame test of 0.2 liters per minute. After the initial test the device was subjected to a volume throughput of 10 000 cubic meters, then retested for accuracy and repeatability.

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

Type Evaluation Criteria Used: Title 4, California Code of Regulations, 2008 Edition

Tested By: R. Norman Ingram (CA) and Van Thompson (CA)

