

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

Certificate Number: 5398-04

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

For:

Hydrocarbon Gas Vapor Measuring Device
Models: Metris 250, Metris RM and Metris MB

Capacity: 250 cubic feet per hour @
0.5 inch H₂O Differential

Submitted by:

Actaris US Gas Inc.
970 Hwy 127 North
Owenton, KY 40359
Tel: (502) 484-5747
Fax: (502) 484-6222
Contact: Nicole Ford

Standard Features and Options

Positive displacement diaphragm measuring module
Die cast aluminum (top and bottom) casing
Index register: 4 circle dial, 4 or 5 digit direct read
Tangent crank 14 revs per ft³
Maximum operating pressure 5 PSIG
Non-temperature compensating (NTC)

Option:

Remote index register interface (used with approved registers)

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: July 20, 2004



Mike Cleary, Director

Actaris US Gas Inc.
Hydrocarbon Gas Vapor Measuring Device
Models: Metris 250, Metris RM and Metris MB

Application: Commercial measurement of vaporized gas at a flow rate up to 250 cu ft per hour (flow capacity listed on the ID plate is based on specific gravity of 0.60).

Identification: The required information is on an identification badge rivited to the upper meter housing above the index face plate.

Sealing: A tamper evident seal and one drilled head screw are used to seal the index face plate to the upper half of the meter housing connected with a wire seal and a drilled head screw in the calibration port which is located on top of the meter.

NOTE: When using with an approved remote register index, there must be means to seal the remote interface by a security locking mechanism.

Test Conditions: Two types of Metris meters were submitted for testing (Model Metris 250 and Metris RM). The third model (Metris MB) was not tested since it was identical to the RM model without the regulator. Accuracy tests were performed at various flow rates from 3 to 100% of flow capacity using a standard 5 cu ft bell prover. These tests were repeated after 207 000 cu ft of air was passed through the device. Additional tests were performed on a new redesigned version of Metris at flow rates from 3 to 100% of flow capacity and tests repeated after approximately 360 000 cu ft has passed through the device.

The results of the evaluation indicate the devices comply with applicable requirements.

Type Evaluation Criteria Used: Title 4, California Code of Regulations, 2004 Edition

Tested By: Charlie Nelson (CA)