

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

Certificate Number: 5405-04

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

For:

Hydrocarbon Gas Vapor Meter
Models: AC, AL, AM, and AR Series

See Page 2 for Model and Size Designation

Submitted by:

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Standard Features and Options

Molded duramic diaphragm
Die-cast aluminum casing
Pointer-type or digital odometer type index
Adjustable tangent

Option: Temperature compensation at 60 °F

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: August 31, 2004



Mike Cleary, Director

American Meter Company
Hydrocarbon Gas Vapor Meters
Model: AC, AL, AM, and AR Series

Application: For use in the measurement of hydrocarbon gases.

Identification: Attached to the front or right side of the meter is an identification plate showing the manufacturer's name, model number, serial number, and capacity rate. A red ID plate identifies meters with temperature compensation option and will have "Temp Comp" on the ID plate and index register.

Model Designation:

Basic Model	Size	Capacity SCFH at 1/2 inch W.C. Differential	MAOP (psig)
AC	250	250	5
	630	630	25
AL	425	425	10, 25
	800	800	20, 100
	1000	1000	25, 100
	1400	1400	100
	2300	2300	100
	5000	5000	100
AM	250	250	5
AR	250	250	5

Note: Rated capacity for 0.60 S.G. Gas

Sealing: Located at the top of the meter case is a cover that allows access to the internal calibration. A wire security seal may be threaded through a drilled head screw attaching the cover to the meter. Another drilled head screw is attached to the index cover to the meter case.

Test Conditions: This certificate is issued to consolidate existing certificates for various meter sizes. These meters have been tested and sealed by the Division of Measurement Standards for many years. The length of time these meters have been in commercial use and the results of previous tests indicate the devices comply with applicable requirements. Additional testing was performed on the AC-630 and the AR-250. The emphasis of the evaluation was on design, performance, accuracy and permanence of the device.

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), Sam Boyd (CA)