

## (MACC) Measurement Analyst Certification Course

### Measurement Analyst Certification Course

By: Coastal Flow Gas Measurement, Inc.

Course Duration: 2 days

#### Who Should Attend

This course is intended for field measurement technicians, EGM & chart measurement analysts, gas sales auditors, and other orifice measurement specialists.

#### Prerequisites

Previous experience in natural gas measurement is recommended.

#### Certification

A certificate of successful completion shall be issued to those participants who successfully complete the course and meet the assessment criteria.

#### Course Description

This course has been specifically designed for field and office personnel with orifice measurement validation responsibilities. The course focuses on gas measurement fundamentals, error recognition, and editing techniques. The most common sources of measurement errors are categorized, defined, and illustrated in chart format, EGM format or both. Advanced data validation and editing methods are demonstrated using effective communications between the field and office and state-of-the art measurement software.

### Course Outline

#### Day 1 (8 hours)

##### Introduction

Review/ explain fundamental concepts and terminology in the gas measurement industry.

Review/explain the components of the typical gas measurement station and how they operate.

Explain the most common sources of measurement error originating from:

- The primary device and manifold.
- The secondary device.
- Measurement processing.

Demonstration of advanced measurement editing and meter test report software.

#### Day 2 (8 hours)

Continuation of measurement error recognition and editing techniques from day 2.

Explain and demonstrate effective communication techniques between field and office personnel.

Discussion Forum

Certification Presentation

### Critical Performance Dimensions Addressed

#### Job Knowledge and Problem Solving

Increased knowledge and ability to identify, correct, and document errors that occur in gas measurement operations.

#### Quality Improvement

By understanding the most common sources of error and the most effective ways to correct them, the individual will be able to optimize gas measurement accuracy saving the company money in two areas; improved quality control; improved gas measurement accuracy.

## MACC Registration Form

First Name: \_\_\_\_\_ Last Name: \_\_\_\_\_

Company: \_\_\_\_\_

Title: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Email Address: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

What is your preferred method of contact?  phone  email  mail  fax

Department Head: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Desired Course Date:

Jan. 25-26  Apr. 25-26  Oct. 24-25

Course Cost: \$1,250 per person

Paying Individually  As a Group \_\_\_\_\_ Group Name: \_\_\_\_\_

Payment Method:  Visa  MasterCard  American Express  Check or Money Order

Card Number: \_\_\_\_\_

Cardholder Name: \_\_\_\_\_

Expiration Date: \_\_\_\_\_ Please mail check or money order to address below.

How would you like to receive your receipt?  email  mail  fax

Coastal Flow  
Gas Measurement, Inc.  
P.O. Box 58965  
Houston, TX 77258-8965

[www.coastalflow.com](http://www.coastalflow.com)

Toll Free: (800) 231-9741  
Telephone: (281) 282-0622  
Facsimile: (281) 282-0792

Please contact Kendra Spriggs at 800-231-9741 or [kendras@coastalflow.com](mailto:kendras@coastalflow.com) to confirm classroom availability, get directions, and obtain a list of recommended hotels.

Class sizes are limited to 10 students.

Class times are from 8:30 a.m. – 4:30 p.m.

You may download additional registration forms or register online at [www.coastalflow.com/4\\_0\\_products.html](http://www.coastalflow.com/4_0_products.html).