



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance
for Weighing and Measuring Devices

For:

Retail Motor Fuel Dispenser (RMFD)
Compressed Natural Gas (CNG)
Meter Indicating Mass
Model: C30
Capacity: 999.999 lb
Accuracy Class: 2.0

***Submitted By: Contact Info. Updated October 2019**

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Standard Features and Options

Standard Features:

- Single Hose/Three Hose, Double Sided Dispenser for Fueling with Break Away Hose
- Fail Safe Pilot Solenoid Valves
- Intrinsically Safe Backlit Liquid Crystal Display (LCD) for Night Viewing
- Category 2 Sealing Device (see sealing on page 2)
- Credit/Debit Card Reader
- Alpha Numeric Keypad
- Receipt Printer
- Maximum Total Price: \$9999.99
- Maximum Total Pounds: 999.99
- Maximum Unit Price: \$9.999
- Gas Gallon Equivalent (GGE), Gas Liter Equivalent (GLE) or Pounds (lb.)
- Battery Back-up for Recall of Last Sale in Case of Power Failure
- Micro Motion CNG050 Sensor
- Maximum Flow Rate: 220 lb/min
- Minimum Flow Rate: 2.2 lb/min
- Minimum Measured Quantity: 2.0 lbs

Options:

- Methane Detector
- Stacked Sales Capability
- Stand-Alone Dispensing

This device was evaluated under the National Type Evaluation Program and was found to comply with the applicable technical requirements of "NIST Handbook 44: Specifications, Tolerances and Other Technical Requirements for Weighing and Measuring Devices." Evaluation results and device characteristics necessary for inspection and use in commerce are on the following pages. *Editorial changes, not affecting the type or metrological content, corrected this certificate.

Stephen Benjamin
Chairman, NCWM, Inc.

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Committee Chair, National Type Evaluation Program Committee
Issued: June 11, 2013

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Bennett Pump Company
Retail Motor Fuel Dispenser (RMFD) / C30

Application: For measuring Compressed Natural Gas (CNG) for retail or fleet fueling stations. The RMFD may be used with an approved and compatible Point-Of-Sale (POS) System.

Identification: The identification badge will be on the inside of the dispenser housing.

Sealing: The system requires a (plastic) wire security sealing provision and has a Category 2 method of sealing. A remote controller can be hooked up to the upper electronics for calibration and configuration of the system with a ribbon cable. A wire security seal located inside the upper electronics can be threaded through a stud to lock out the ability to change sealable configuration or calibration parameters. (See Figure 1)

The Micro Motion Model CNG050 sensor has no adjustable components that require the use of a security sealing provision.

Operation: To begin fueling, connect the fueling nozzle to the filling receptacle located on the receiving vehicle tank. Once the dispenser is authorized, press the grade button to begin fueling. Fueling will terminate when the tank is full. When fueling is completed, disconnect the fueling nozzle from the vehicle tank receptacle. Stow fueling nozzle as appropriate.

Test Conditions: The emphasis of the evaluation was on device design, performance, and permanence. The dispenser was installed and tested at the factory location with a Verifone model Ruby Super System II POS System (NTEP CC 94-070). Several test drafts using air as the test medium, were conducted for accuracy and repeatability at various draft sizes. The RMFD upper electronics has previously demonstrated compliance with applicable requirements indicating permanence testing was completed on a Bennett RMFD (NTEP CC 13-013). Additionally, the RMFD was also tested with Fiscal System Inc.; model TravStar1 POS System (NTEP CC 94-123) during the Bennett RMFD evaluation (NTEP CC 13-013).

Evaluated By: J. Roach (CA)

Type Evaluation Criteria Used: *NIST Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, 2013 Edition. *NCWM Publication 14 Measuring Devices*, 2013 Edition.

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

Information Reviewed By: J. Truex (NCWM)

Examples of Device:



Figure 1. Wire Security Sealing Provision

