



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance
for Weighing and Measuring Devices

For:

Meter Indicating Mass
Retail Motor Fuel Dispenser (RMFD)
Electronic Computing, Liquefied Natural Gas (LNG)
Model: L20
Capacity: 999.99 lb
Accuracy Class: 2.5

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

Bennett Pump Company
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Spring Lake, MI 49456
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Standard Features and Options

Standard Features

- Single Inlet, Single Hose Dispenser for Fueling with Break away
- Fail Safe Pilot Solenoid Valves
- Intrinsically Safe Backlit Display 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
- Battery Back-up for Recall of Last Sale in Case of Power Failure
- Micro Motion CMF100 Sensor
- Micro Motion Remote Core Transmitter
- Maximum Flow Rate: 240 lb/min
- Minimum Flow Rate: 24 lb/min
- Minimum Measured Quantity: 50.0 lbs

Options:

- Methane Detector
- Manual Globe Valves
- Stacked Sales Capability
- Stand-Alone Dispensing
- System Inc., Model TravStar1 POS System

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.

Stephen Benjamin
Chairman, NCWM, Inc.

Kurt Floren
Committee Chair, National Type Evaluation Program Committee

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Bennett Pump Company
Meter Indicating Mass RMFD for LNG / L20

Application: For use with a Fiscal System Inc., model TravStar1 Point-of-Sale (POS) System for retail or fleet fueling stations for measuring cryogenic liquids such as Liquefied Natural Gas (LNG), liquefied oxygen, and liquefied nitrogen. It also can be used as a stationary cryogenic RMFD.

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

Sealing: The system requires a physical wire security sealing provision and is classified as Category 2. 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 can be threaded through a stud to lock out the ability to change the configuration or calibration. The ribbon cable connector can be used to review the calibration or configuration without being in the calibration/configuration mode.

The Micro Motion Model CMF-100 Mass Flow Meter has its own sealing provisions, which can be found in Certificate of Conformance Number 95-055A11.

Operation: To begin fueling, connect the fueling nozzle to the filling receptacle located on the receiving vehicle tank. Connect the ground clamp to authorize the dispenser. Once the dispenser is authorized, press the grade button to begin fueling. Fueling will terminate when either the pause button is pressed or when the tank is full. When fueling is completed, disconnect the fueling nozzle from the vehicle tank receptacle and remove ground clamp. Stow fueling nozzle as appropriate.

Test Conditions: The emphasis of the evaluation was on device design, performance, and permanence. The dispenser was installed and initially tested at a live site with a Fiscal System Inc., model TravStar1 POS System, NTEP CC 94-123. Several test drafts were conducted for accuracy and repeatability at various draft sizes. The tests were repeated again after 55 days.

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*, 2012 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)

Example(s) of Device:



Wire security sealing provision

