



## NATIONAL TYPE EVALUATION PROGRAM

# Certificate of Conformance

for Weighing and Measuring Devices

**For:**

Meter Indicating Mass  
Stationary  
Model: F1001 Series

**Submitted By:**

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**Standard Features and Options**

- Pulse Output: 0 To 10 kHz
- Current Output: 4 To 20 mA
- Mass or Volumetric Indication
- Body Material: 304 Stainless
- Measuring Tube Material: 316 Stainless
- Measures Normal Liquids With Specific Gravities Between 0.9 And 1.1

Meter Size (in)	Minimum Flow Rate kg/m	Maximum Flow Rate kg/m	MMQ kg
1/2	3	61	3
1	6	120	6
1.5	45	500	45
2	95	1005	95
3	130	2410	131
4	260	2820	260
6	820	8200	820
8	1600	16400	1600

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.

Ronald Hayes  
Chairman, NCWM, Inc.

John Gaccione  
Committee Chair, National Type Evaluation Program Committee  
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**Golden Promise Equipment Inc.**  
Meter Indicating Mass / F1001 Series

**Application:** This Coriolis meter is designed for stationary measure of normal liquids with specific gravities between 1.1 and .9.

**Identification:** The identification badge is attached to the outer shell near the bottom of the meter.

**Sealing:** The flowmeter has a protection switch block which protects the flowmeter's calibration coefficients from unauthorized access. The protection switch block is located at the front side of the display board to the right from the display. At the factory switch 1 is set in the on position. In this position, the calibration parameters of the flowmeter cannot be changed. Sealing is accomplished by threading a lead and wire through a hole in the cover that screws on and a hole in the main body of the meter transmitter.

**Test Conditions:** Four F1001 meters of different sizes were tested at Colorado Engineering Experiment Station Inc. A one half inch meter was tested at flow rates between 3 kg/m and 51 kg/m. The meter passed initial testing. After a throughput of 161 669 kilograms the meter was retested using the same flow rates and passed permanence testing. A 2 inch meter was tested at flow rates from 98 kg/m and 850 kg/m. The meter passed initial testing. After a throughput of 2 010 900 kilograms the meter was retested using the same flow rates and passed permanence. The 2 inch meter also underwent testing for volumetric indication. The same flow rates used in mass indication were repeated and all results were within acceptance tolerance. A 3 inch meter was tested at flow rates from 130 kg/m to 2006 kg/m. The meter passed initial testing. After a throughput of 5 927 960 kilograms the meter was retested using the same flow rates and passed permanence. A 6 inch meter was tested at flow rates from 820 kg/m to 6770 kg/m and passed initial testing. After a throughput of 16 286 680 kilograms the meter was retested using the same flow rates and passed permanence.

**Evaluated By:** A. Katalinic (NC)

**Type Evaluation Criteria Used:** *NIST Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, 2015 Edition. *NCWM Publication 14 Measuring Devices*, 2015 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 of Device:**

