



2 May, 2018

Emerson

Ave. Miguel de Cervantes 111  
Complejo Industrial Chihuahua  
Chihuahua, CHIH 31136 MEXICO

**Certificate of Calibration - Consistent with ISO 10474 3.1 / EN 10204 3.1**

|   |  |
|---|--|
| <b>Customer Information</b><br>Name: EMERSON PROCESS MANAGEMENT LTDA<br>PO No: 4111052239                               | <b>Manufacturer Information</b><br>Sales Order: 10285973<br>Line: 4  |
| <b>Device Information</b><br>Device Type: Magnetic Flowmeter<br><b>8750WDMT2A1FTHE005CA1M1Q4</b><br>Serial No: 14793968 | <b>Calibration Information</b><br>Calibration Lab: Chihuahua, Mexico<br>Calibration Date: May 2, 2018<br><br>Calibration Number: 0990804109906005<br><br>Internal Ref# 2018050200065 |

**Calibration Data - Velocity referenced to Schedule 40 pipe**

| Velocity<br>ft/s | Velocity<br>m/s | Flow Rate<br>US gpm | Flow Rate<br>m <sup>3</sup> /hr | Deviation<br>% Rate |
|------------------|-----------------|---------------------|---------------------------------|---------------------|
| 9.8              | 2.99            | 9.28                | 2.11                            | -0.09%              |
| 9.8              | 2.99            | 9.28                | 2.11                            | -0.11%              |
| 9.8              | 2.98            | 9.27                | 2.11                            | -0.10%              |
| 2.9              | 0.89            | 2.78                | 0.631                           | -0.09%              |
| 2.9              | 0.89            | 2.78                | 0.631                           | -0.22%              |
| 2.9              | 0.89            | 2.78                | 0.631                           | -0.16%              |
| 1.0              | 0.30            | 0.935               | 0.212                           | -0.09%              |
| 1.0              | 0.30            | 0.935               | 0.212                           | 0.01%               |
| 1.0              | 0.30            | 0.934               | 0.212                           | -0.30%              |

This certifies the Magnetic Flowmeter listed above meets applicable Rosemount product specifications. Measuring and test equipment used in the manufacture and inspection of the above flowmeter are traceable to the National Institute of Standards and Technology. The calibration system was designed to meet the intent of ANSI Z540.3-2006.

Oswaldo Orozco  
Quality Manager

This certificate is produced by an electronic data system and valid without signature.

Q4-Mag

## Emerson Production Flow Facility Calibration Report

Ave. Miguel de Cervantes 111, Complejo Industrial Chihuahua, Chihuahua, Mexico 31109

Model Number: **8750WDMT2A1F THE005CA1M4Q4**

Serial Number: **14793968**

Calibration Date: **May 02, 2018**

Calibration Number: **0990804109906005**

Sales Order: **10285973**

### Pass/Fail: PASS

| Run # | Flow Rate % FS <sup>1</sup> | Velocity ft/s | Velocity m/s | Flow Rate US gpm | Flow Rate m <sup>3</sup> /hr | Deviation % Rate |
|-------|-----------------------------|---------------|--------------|------------------|------------------------------|------------------|
| 1     | 98.0%                       | 9.8           | 2.99         | 9.28             | 2.11                         | -0.08%           |
| 2     | 98.0%                       | 9.8           | 2.99         | 9.28             | 2.11                         | -0.11%           |
| 3     | 97.9%                       | 9.8           | 2.98         | 9.27             | 2.11                         | -0.10%           |
| 4     | 29.4%                       | 2.9           | 0.89         | 2.78             | 0.631                        | -0.09%           |
| 5     | 29.4%                       | 2.9           | 0.89         | 2.78             | 0.631                        | -0.16%           |
| 6     | 29.4%                       | 2.9           | 0.89         | 2.78             | 0.631                        | -0.22%           |
| 7     | 9.9%                        | 1.0           | 0.30         | 0.935            | 0.212                        | -0.09%           |
| 8     | 9.9%                        | 1.0           | 0.30         | 0.935            | 0.212                        | 0.01%            |
| 9     | 9.9%                        | 1.0           | 0.30         | 0.934            | 0.212                        | -0.30%           |

#### Calibration Conditions:

Water Temperature = 72.0 °F ( 22.2 °C )

Water Conductivity > 200 µMho

<sup>1</sup>100% Flow Rate = 10 ft/sec ( 3.05 m/s ) in Schedule 40 pipe.

Measuring and test equipment used in the manufacture and inspection of the above flowmeter are traceable to the National Institute of Standards and Technology. The calibration system was designed to meet the intent of ANSI Z540.3-2006.