

## **Subject: Micro Motion 4200 2-wire Coriolis Transmitter Data Historian**

### **Overview**

This document explains the limitation of the Micro Motion 4200 2-wire Coriolis transmitter data historian due to power constraints.

### **Products Affected**

All Micro Motion 4200 transmitters

### **NAMUR NE 53 Rating**

This release is rated at NAMUR NE 53 Level 3.

### **Symptoms**

Due to power limitations, there is a situation where the 4200 transmitter cannot store all the historian data. The power limitation occurs when the milliamp current drops below 11 milliamps for more than 2 days. For example, if the milliamp output was configured for 4mA= zero flow, and 20mA=full scale, and the meter with the 4200 transmitter sat idle (zero flow) for more than two days, then it would not record new fast data (the old fast data would still be available). The slow data that is between six days old and 14 days old would 'freeze,' i.e., not update. If there was some activity (e.g., flow > 11mA) for at least eight minutes every two days, all data would have been recorded and available for download. The eight minutes of operation above 11mA do not need to be consecutive; the time is accumulative.

### **Resolution**

Since this is a fundamental limit of the transmitter design there are no alterations to the 4200 electronics or firmware planned. However, the 4200 Configuration and Use manual as well as other documentation will be revised to include the historian data and milliamp output limitations.

**Contact Information**

Product information is available on the internet at: [www.emerson.com](http://www.emerson.com).

Customer Service Phone Numbers:

|                     |                    |
|---------------------|--------------------|
| Micro Motion USA    | 1-800-522-6277     |
| Micro Motion Europe | 31 (0) 318 495 555 |
| Micro Motion Asia   | 65 6777-8211       |
| Micro Motion UK     | 44 0870 240 1978   |
| Micro Motion Japan  | 81 3 5769-6803     |

At Micro Motion we strive to stay on the leading edge of Coriolis technology. Upgrading to our latest MVD technology can pay for itself in a very short time period by improving your process measurement, improving diagnostic coverage, and improving the bottom line results of your process.

Thank you for your continued support.

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