

Subject: 4200 2-wire Coriolis Transmitter Retrofitting Best Practices

Overview

This document explains the best practices retrofitting a Coriolis sensor with a 4200 2-wire transmitter and the density and viscosity limitations.

Products Affected

All products with 700 and 800 core processors

All products with 2200S transmitters

NAMUR NE 53 Rating

This release is rated at NAMUR NE 53 Level 3.

Best practices retrofitting an existing meter with a 4200 2-wire Coriolis transmitter

There are two possible retrofitting scenarios covered in this bulletin:

1. Can you retrofit an existing sensor that has a 700 or 800 core processor to a 4200 transmitter?
No, this will not be allowed because the calibration factors will be incorrect. This will not be supported by the factory or field service.
2. Can you retrofit an existing sensor that has a 2200S transmitter to a 4200 transmitter?
Yes. This will be allowed since the 4200 transmitter will eventually replace the 2200S. Calibration must be completed after replacing the 2200S with a 4200. This would require shipping the meter back to the factory which is preferred or completing the calibration in the field. If the transmitter is retrofitted in the field, the sensor electronics interface code will not match. A wire on tag is available via ETO and is required.

The density limitation for the 4200 transmitter is 1.4 g/cc or less and the viscosity limitation is 500 centipoise or less.

Contact Information

Product information is available on the internet at: 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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