Introducing the Latest Improvement to the Rosemount 8800 Vortex Flowmeter

Emerson Process Management has recently released a new revision level of its' popular Rosemount 8800 Vortex Flowmeter. The Rosemount 8800D is a direct replacement of the Rosemount 8800C Vortex Flowmeter. The 8800D Vortex Flowmeter is based on the latest Rosemount transmitter architecture enabling the additional transmitter and PlantWeb functionality while maintaining the same non-clog, gasket free meter body and isolated sensor design.

Rosemount 8800D Maintained Functionality:

- Same non-clog, gasket-free meter body design as the 8800C.
- Available in Flanged, Wafer, Dual, and Reducer™ meter body designs.
- 8800D electronics can be used on any 8800 vortex meter.

Rosemount 8800D Enhancements:

- Easier configuration by placing all parameters required for a basic configuration in the same menu.
- Electronics temperature and electronics temperature out of range diagnostic.
- Simpler Signal Processing Parameter changes in AMS Device Manager.
- Additional Hazardous Area Approvals.

Rosemount 8800D Future Enhancements:

- MultiVariable and temperature compensation functionality with an integrated temperature sensor.
- PlantWeb© Advanced Diagnostics such as Process Alerts and Sensor Health.
- Help for all parameters integrated into the Device Descriptor.

8800C Electronic

8800D Electronics

These images depict the differences between the 8800C
and the 8800D Board Stacks

FREQUENTLY ASKED QUESTION:

**Why did Emerson Process Management change
to the 8800D from the 8800C?**

Emerson Process Management wanted to add additional features and functionality such as MultiVariable capability
and additional PlantWeb diagnostics. However, the 8800C did not support this functionality. So, the 8800D was
created as a platform to support this increased functionality.

**I purchased the 8800C because of its reliable
meter body design. Has that changed?**

The change from the 8800C to the 8800D is an electronics enhancement only. The 8800D uses the same reliable
meter body as the 8800C that has no ports or crevices to clog and has a sensor that's isolated from the process.

What do I do if one of my existing 8800 fails?

8800C spare electronics will be available for a short time. However, 8800D electronics can be used on meter
bodies that were originally supplied with 8800C electronics. However, you must replace the electronics, housing,
and terminal block with an 8800D electronics replacement kit (08800-5107-4XXX). The 8800D board stack can
only be placed in housings that were originally supplied with 8800D board stacks.

**Are all protocol options available now on the
8800D?**

Currently, the 8800D is available with output code "D" (HART/4-20 mA) and output code "P" (HART/4-20 mA and
Pulse). Output code "F" (FOUNDATION fieldbus) will still be available on the 8800C until October. At that time, the
8800D will be available with FOUNDATION fieldbus and the 8800C will be discontinued.

**Will my existing hand-held communicator work
with the 8800D?**

Yes, providing the communicator has the Device Descriptor (DD) for the 8800D. The additional functionality added
to the 8800D has required us to create a new DD. To check to see if your 375/275 has the 8800D DD, follow the
following steps:

1. Power up the hand-held with nothing connected
2. Select "Utility"
3. Select "Simulation"
4. Select "Rosemount"
5. Cursor to check for "8800D"

If you cannot find 8800D, you will need to contact your local Service Center to load the latest versions of this DD
onto your Hand-held. Or, use the Easy Update Feature of the 375 Field Communicator and download the DD.

**Can I set up an 8800D without the Hand-held
Communicator?**

Emerson Process Management configures every vortex meter that leaves its factory to your specified
configuration. As long as you supply Rosemount with a Configuration Data Sheet (CDS), your 8800D vortex meter
will be configured as you request just like it is with the 8800C. In addition, you can still use the Review command
in the generic HART driver in the 275 or 375 to review the configuration.