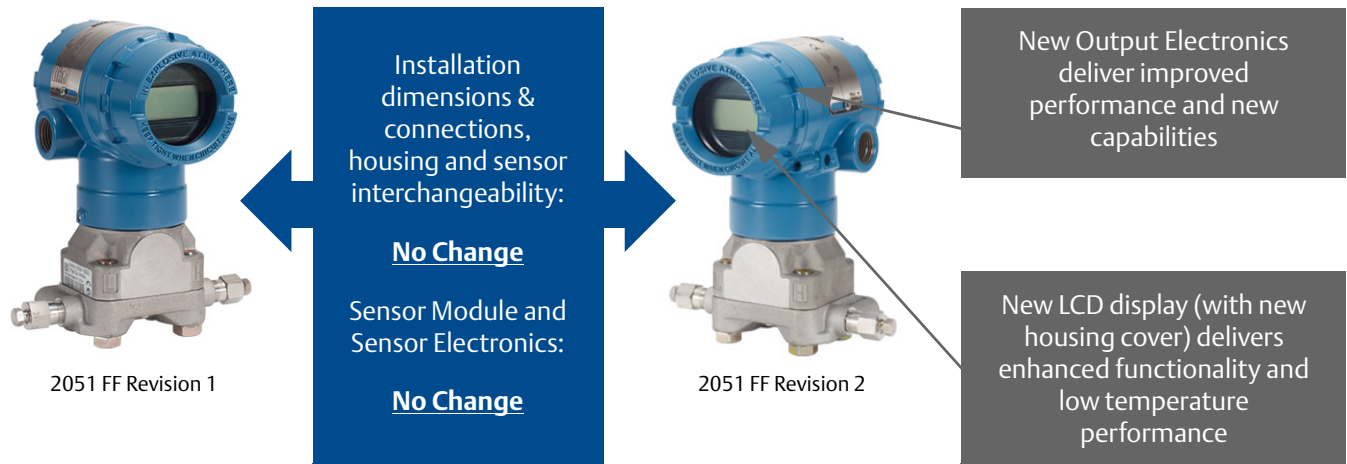


Preparing for the Rosemount 2051 FOUNDATION™ fieldbus Pressure Transmitter Device Revision 2

Emerson will begin shipping the Rosemount 2051 FOUNDATION fieldbus Pressure Transmitter Device Revision 2 in October, 2014. Please use this document to help prepare for the new revision prior to receiving first units in your facility.



The 2051 FOUNDATION fieldbus Pressure Transmitter Device Revision 2 sensor module is unchanged from Device Revision 1. The 2051 Rev 2 process connections and form factor allow it to be used in any Rev 1 application. The output electronics board and the LCD display are new for Rev 2, and a new DD and/or DTM™ is required. Additional information and DD's and DTM's for download will be available on www.emersonprocess.com prior to first shipment of the Rosemount 2051 Rev.2. The table on the following pages summarizes preparation steps to ease adoption of the new 2051 revision.

We at Emerson Process Management are committed to supplying our customers the best measurement products in the industry. Thank you for allowing Emerson to serve you now and in the future.

The following table summarizes suggestions to prepare for the new 2051 FF Pressure Transmitter:

2051 FF Device Revision 1	Sample specification	2051 FF Device Revision 2
0.065% of span standard 0.05% of span P8 option	Reference accuracy	0.065% of span range 2 to 4 0.05% of span P8 option
0.15% of span	Total performance	0.15% of span
0.02% for 5 years	Stability	0.02% for 5 years
100:1	Range-down	100:1
-30 °C	LCD temp limit	-40 °C
Update internal documentation with new device functionality		
2XAI, PID, IN SEL, ARITH SIG CHAR, INT	Additional function blocks	2XAI, PID, IN SEL, ARITH SIG CHAR, INT, CTL SEL, OUT SP
ITK4	Interoperability tested to ITK6 (ITK4, ITK5, and ITK6 are all interoperable)	Standard: new DD and DTM are required for device rev 2 see www.fieldbus.org or www.emersonprocess.com
N/A	Linked and scheduled AI block for primary variable	Standard
N/A	NE 107 Alerts or PlantWeb® alerts, user selectable	Standard
N/A	Live software download over the segment	Standard
N/A	Dashboard DD and DTM	Standard
N/A	New LCD display	M5 option

2051 FF Device Revision 1	No model number changes	2051 FF Device Revision 2
N/A	None	N/A
Update spare parts lists and order spare parts		
02051-9001-2001	Electronics	02021-0020-5100
03031-0193-0104	Display	03031-0193-0013
03031-0292-0003	Field terminal and Electronics cover Aluminum	03031-0292-0001
03031-0292-0007	Display cover Aluminum	03031-0193-0002
02051-9005-0024	Standard terminal block	02051-9005-0024
02051-9005-0025	Transient protection terminal block (option T1)	02051-9005-0025
02051-9005-0026	FISCO terminal block new for Device Rev 1 & 2	02051-9005-0026
Update spare parts lists with upgrade kits for future use		
02021-0020-5209	Electronics, display Aluminum cover	N/A
02021-0020-5309	Electronics, display, SST cover	N/A

Download and install new device drivers		
DD Rev 2 AMS Rev 8 or higher (Device Rev 1) www.emersonprocess.com	Emerson hosts	DD Rev 1 AMS 8 to 10.5 DD Rev 2 AMS 10.5 or higher (Device Rev 2) www.emersonprocess.com
DD Rev 2 (Device Rev 1) www.emersonprocess.com	475 handheld	DD Rev 2 (Device Rev 2) www.emersonprocess.com
DD Rev 4 www.fieldbus.org	Other hosts DD4 and DD5	DD Rev 1 www.fieldbus.org
N/A	DTM	www.emersonprocess.com
Download and distribute updated documentation		
00825-0200-4101 Rev EA or lower	Quick Start Guide	00825-0200-4101 Rev FA or higher or 00825-0600-4101 Rev AA
00809-0200-4101 Rev AA	User's Manual	00809-0200-4101 Rev BA or higher
00813-0100-4101 Rev JA or lower	Product Data Sheet	00813-0100-4101 Rev KA or higher
Consult manual or factory	Spare parts list	Consult manual or factory
02051-7710 Rev AB or lower 02051-7711 Rev AB or lower	Type 1 drawings	02051-7710 Rev AC or higher 02051-7711 Rev AC or higher

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