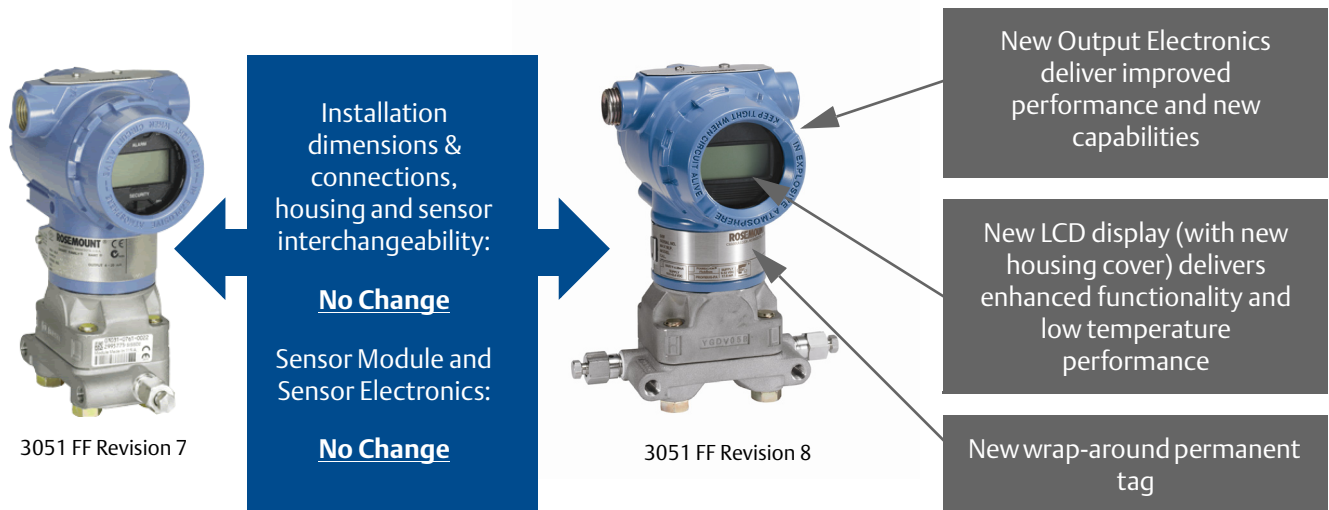


Preparing for the Rosemount 3051 FOUNDATION™ fieldbus Pressure Transmitter Device Revision 8

Emerson will begin shipping the Rosemount 3051 FOUNDATION fieldbus Pressure Transmitter Device Revision 8 in October, 2014. Please use this document to help prepare for the new revision prior to receiving first units in your facility.



The 3051 FOUNDATION fieldbus Pressure Transmitter Device Revision 8 sensor module is unchanged from Device Revision 7. The 3051 Rev 8 process connections and form factor allow it to be used in any Rev 7 application. The output electronics board and the LCD display are new for Rev 8, 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 3051 Rev 8. The table on the following pages summarizes preparation steps to ease adoption of the new 3051 revision.

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The following table summarizes the improvements and new capabilities of the Rosemount 3051 Pressure Transmitter:

| 3051 FF Device Revision 7 | Specification changes | 3051 FF Device Revision 8 |
|--|--|---|
| 0.065% of span standard 0.04% of span P8 option | Reference accuracy | 0.04% of span range 2-4 0.065% of span range 1 and 5 |
| 0.15% of span | Total performance | 0.14% of span |
| 0.15% for 5 years | Stability | 0.2% for 10 years |
| 100:1 | Range-down | 150:1 |
| -30 °C | LCD temp limit | -40 °C |
| Update purchasing and other 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 |
| N/A | Interoperability tested to ITK6 (ITK4, ITK5, and ITK6 are all interoperable) | Standard: new DD and DTM are required for device rev 8 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 | Simplified SPM configuration, improved SPM performance ⁽¹⁾ | Available as D01 option ⁽¹⁾ |
| N/A | Live software download over the segment | Standard |
| N/A | Dashboard DD and DTM | Standard |
| N/A | New LCD display | Available as M5 option |

(1) Not field upgradeable.

| 3051 FF Device Revision 7 | Model number changes | 3051 FF Device Revision 8 |
|--|-------------------------------------|---|
| Yes | P8 performance option | Option code no longer available, P8 performance is now standard |
| Update spare parts lists and order spare parts | | |
| 03031-0001-2001 | Electronics | 03031-0020-5100 |
| 03031-0193-0104 | Display | 03031-0199-0003 |
| 03031-0292-0003 | Electronics cover | 03031-0292-0001 |
| 03031-0292-0003 | Display cover | 03031-0193-0002 |
| Update spare parts lists with upgrade kits for future use | | |
| 03031-0020-5209 | Electronics, Display Aluminum cover | N/A |
| 03031-0020-5309 | Electronics, Display, SST cover | N/A |

| Download and install new device drivers | | |
|--|---|--|
| DD Rev 4 AMS 8 to 10.5 DD Rev 6 AMS 10.5 or higher (Device Rev 7) www.emersonprocess.com | Emerson hosts | DD Rev 1 AMS 8 to 10.5 DD Rev 2 AMS 10.5 or higher (Device Rev 8) www.emersonprocess.com |
| DD Rev 6 (Device Rev 7) www.emersonprocess.com | 475 handheld | DD Rev 2 (Device Rev 8) www.emersonprocess.com |
| DD Rev 3 www.fieldbus.org | DD4 and DD5 (DD types NOT revisions) | DD Rev 1 www.fieldbus.org |
| See your host vendor | Other hosts | See your host vendor |
| Download and distribute updated documentation | | |
| 00825-0100-4774 Rev EA or older | Quick Start Guide | 00825-0100-4774 Rev FA or newer or 00825-0200-4774 Rev AA |
| 00809-0100-4774 Rev BA or older | User's Manual | 00809-0100-4774 Rev CA or newer |
| 00813-0100-4001 Rev RC or older | Product Data Sheet | 00813-0100-4001 Rev RD or newer |
| Consult manual or factory | Spare parts list | Consult manual or factory |
| 03031-1011 Rev AL and 03031-2097 Rev AG | Type 1 drawings | 03031-1011 Rev AM and 03031-2097 Rev AH |

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