

Fribourg, September 2020

**vibro-meter® TQ4x2 proximity sensors and EA402 extension cable –  
replaced by the TQ9x2 and EA902**

Dear Customer,

We are contacting you further to your past purchase of a TQ4x2 proximity sensor and/or EA402 extension cable from Meggitt's vibro-meter® product line. While we trust that these products have served you well, Meggitt is committed to offering our customers the best possible measurement and monitoring solutions, to help you to get the most from your machinery. This naturally involves updating and replacing items in our product range.

This letter is to inform you about the replacement of the TQ4x2 proximity sensors by the new TQ9x2 proximity sensors and the EA402 extension cable by the new EA902 extension cable, so that you may benefit from the improved design characteristics of these new products.

In addition to matching or bettering the outstanding specifications and performance of the TQ4x2 and the EA402, the TQ9x2 and EA902 include the following main improvements:

- Suitable for use in safety-related applications when used with the new IQS900 signal conditioner:
  - SIL 2 "by design" in accordance with the IEC 61508 functional safety standard
  - New grounding concept for improved frame-voltage immunity, and improved electromagnetic immunity and emissions in accordance with the EN 61326-1 and EN 61326-3-2 EMC standards
  - PL c Cat 1 in accordance with the ISO 13849 for safety of machinery standard
- API 670 5<sup>th</sup> edition compliant:
  - 6 bar (100 psid) differential pressure between sensor tip and body
  - 225 N (50 lb) tensile load between sensor tip and cable or connector
- Ex certification for hazardous dust environments, in addition to hazardous gas environments.

The TQ9x2 proximity sensors and EA902 extension cable are backward compatible replacements for all legacy TQ4x2 and EA402 products and will be available from Q4 2020, subject to stock availability. The TQ4x2 and the EA402 will continue to be available until Q1 2021, at which time they will become obsolete. For orders after Q1 2021, the TQ9x2 and EA902 will automatically be confirmed for all deliveries.

Please do not hesitate to contact your Meggitt representative, who will help with any further questions you may have.

Yours faithfully,



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