

Fribourg, September 2020

vibro-meter® IQS45x signal conditioners – replaced by the IQS900

Dear Customer,

We are contacting you further to your past purchase of an IQS45x signal conditioner from Meggitt's vibro-meter® product line. While we trust that this product has 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 IQS45x signal conditioners by the new IQS900 signal conditioner, so that you may benefit from the improved design characteristics of this new product.

In addition to matching or bettering the outstanding specifications and performance of the IQS45x, the IQS900 includes the following main improvements:

- Suitable for use in safety-related applications:
 - 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 safety of machinery standard
- Smaller output impedance for voltage signal transmission over longer distances
- Optional diagnostic circuitry (that is, built-in self-test (BIST)) providing continuous feedback on the health of the measurement chain – sensor, cabling and signal conditioner
- Raw output pin provides a voltage signal corresponding to internal operation that allows the measurement chain/IQS900 to be verified without disconnecting the output
- Test input pin allows a voltage signal to be injected at the input to the IQS900 in order to verify the operation of the IQS900/monitoring system
- Ex certification for hazardous dust environments, in addition to hazardous gas environments
- New DIN-rail mounting adaptor and removable screw-terminal connectors for easier installation.

The IQS900 signal conditioner is a backward compatible replacement for all legacy IQS45x products and will be available from Q4 2020, subject to stock availability. The IQS45x will continue to be available until Q1 2021, at which time it will become obsolete. For orders after Q1 2021, the IQS900 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,



Frédéric Micco

Sensor & Conditioners Senior Product Line Manager
Energy & Equipment
Direct tel: +41 (0)26 407 12 35
Email: frederic.micco@ch.meggitt.com