GS Addendum Universal Spare Transmitter

This document is an addendum to the General Specifications GS 01U10B0-00_\textendash}_R.\textsuperscript{1) It describes the delivery scope of the Rotamass Total Insight “Universal Spare Transmitter”. “Universal Spare Transmitter” is the Spare Transmitter of the Rotamass Total Insight product families.

Below are described the differences between “General Specifications” for Rotamass Total Insight Coriolis flowmeters and the delivery scope of the Universal Spare Transmitter. Deviations could be referred to model code, design or configuration.

Model code changes

Model code for Universal Spare Transmitter contains “sensor specific” values that deviate from the General Specifications.

\[
R C U X N N N N - N N N N - N N N \]

Sensor specific model code positions

The universal Spare Transmitter is combinable with all Rotamass Total Insight sensors. The above shown sensor specific model code positions deviate from the General Specifications.

Description of the model code deviations:

Sensor:

\[
R C 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
\]

\textbf{X}: Spare transmitter \textbf{without sensor}, combinable with Rotamass Total Insight sensors as specified in the General Specifications GS 01U10B0\textendash}_00\textendash}_R.

\textbf{3}: Spare transmitter \textbf{without sensor}, combinable only with Rotamass 3 series sensors. Please contact Yokogawa Service department.

Meter size:

\[
R C 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
\]

\textbf{NN}: No meter size applied, combination with all specified meter sizes allowed.

\textsuperscript{1) Notice: The GS of the combined sensor is applicable.}
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**N:** Combinable with all specified materials for wetted parts.

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**NN:** Combinable with all specified process connection sizes.

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**NNN:** Combinable with all specified process connection types.

**Sensor housing material:**

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**N:** Combinable with all specified sensor housing materials.

**Process fluid temperature range:**

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**N:** The combinable process fluid temperature range (“0”, “2”, “3”) Please consult the document GS 01U10B00-000-R.

**Mass flow and density accuracy:**

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**NN:** Combinable with all specified accuracies\(^2\).

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\(^2\) Notice: In case of a universal spare transmitter combined with a sensor in use, the original accuracy specification may be affected. For calibration services, please contact Yokogawa Service department.
Description of other relevant model code positions:

**Design and Housing:**

Universal Spare Transmitter is applicable for

- Integral type (with Yokogawa Service support for the transmitter modification – not possible for Ex version)
- Remote type (General purpose & Ex version); for Ex version please ensure compliance to the certificate. Do not combine long neck version sensor (values “B”, “F”, “K”) with standard neck version transmitter (“A”, “E”, “J”) or vice versa if not covered by the certificate.

**Other model code positions:**

Other model code positions are available according to the General Specifications GS01U10B0-00-R like defined and available in SAP.

**MS code(s) indicated on name plates**

As consequence, the model code indicated on the sensor nameplate will be different from the model code indicated on the Universal Spare Transmitter nameplate.

For explosion proof applications further restrictions are possible (please check Explosion Proof Type Manuals IM01U10X-00-R).

**Sensor’s nameplate**

On the sensor’s nameplate, the sensor related parts of the MS code remain valid; the transmitter related parts are defined by the model code of the Universal Spare Transmitter.

**Universal Spare Transmitter’s nameplate**

The model code indicated on the Universal Spare Transmitter name plate

RCUXNNN - NNNNNN - NNN

will be different from the model code indicated on the sensor nameplate.

**Functional scope**

The full functional scope and the expected performance of the Universal Spare Transmitter will only be reached after setting the correct set of sensor parameters.

**Transmitter configuration**

For the coupling procedure of the Universal Spare Transmitter with the Rotamass Total Insight sensor, please follow instructions as described in Manual Change to User’s Manual IM01U10B00-04-EN-R for Replacement Transmitters.

For (one to one) replacement of a Rotamass Total Insight transmitter by a Spare Transmitter with same model code and configuration as initially delivered, please contact Yokogawa Service department.