**New universal temperature transmitter OPTITEMP TT 33 C/R**

* 4…20mA temperature transmitter for RTD and TC sensors, from standard applications up to harsh environments
* Convenient configuration, high accuracy, safety and reliability over time
* Versatile in use through additional functionality and features

**Text:**

Duisburg, May 11, 2017: KROHNE introduces the new OPTITEMP TT 33 C/R, a universal 4…20mA temperature transmitter to be used with RTD and TC sensors. Available as head mounted (TT 33 C) and rail mounted (TT 33 R) versions, OPTITEMP TT 33 was designed according to the latest standards and user requirements such as convenient configuration, high accuracy as well as safety and reliability over time. Versatile in use through additional functionality and features, it is aimed at all industries that use process temperature assemblies in standard applications up to in harsh environments, e.g. chemical, power generation, iron and steel or OEM applications.

Using the free ConSoft software, the 4…20 mA device can easily be configured from a PC, also in hazardous areas. Parameters like temperature measurement range, TAG identity and failure indication can be set and re-set fast and convenient thanks to a user-friendly interface. High accuracy over transmitter lifetime is provided by a measuring accuracy of ±0.08 °C or ±0.08 % of span, and a drift of ±0.01°C per 1 °C or ±0.01% of span per 1 °C. This low temperature drift makes regular calibration less necessary.

In terms of safety and reliability, OPTITEMP TT 33 C/R is compliant to NAMUR recommendations (NE) 21, 43, 53 and 107, and features ATEX and IEC Ex approvals. Due to a robust construction, external influences such as ambient temperature, vibration (up to 10 g, as may occur in OEM/machinery applications), moisture and electromagnetic waves are negligible.

The new transmitter can provide correction for measuring error of the system consisting of either the sensor itself or sensor and transmitter together. OPTITEMP TT 33 C/R also features a runtime counter, tracking and backup of previous configuration, ambient temperature log as well as an output simulation for loop testing.

OPTITEMP TT 33 C/R adds to KROHNEs OPTITEMP portfolio of industrial temperature assemblies and transmitters. It comprises a large choice of designs, materials and process connections from high to cryogenic temperature applications. Standard as well as custom versions are available for solid, liquid and gaseous mediums, also with high pressures and flow velocities.

About KROHNE: KROHNE is a full-service provider for process measuring technology for the measurement of flow, mass flow, level, pressure and temperature as well as analytical tasks. Founded in 1921 and headquartered in Duisburg, Germany, the company employs over 3,700 people all over the world and is present on all continents. KROHNE stands for innovation and maximum product quality and is one of the market leaders in industrial process measuring technology.

**Picture:**

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**Caption:** NewOPTITEMP TT 33 C/R universal temperature transmitter for RTD and TC sensors

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