**OPTITEMP TT 53: new temperature transmitter with NFC and Bluetooth**

* Universal 2-wire temperature transmitter for RTD and TC elements with HART 7
* Wireless configuration and monitoring of transmitter with mobile app via NFC or Bluetooth
* Robust design, high longterm stability, Ex approvals, NAMUR NE 107 diagnostics

**Text:**

Duisburg, July 11, 2018: KROHNE introduces OPTITEMP TT 53, a new universal programmable 2-wire temperature transmitter for resistance (RTD) and thermocouple (TC) elements. Aimed at the Chemical, Oil & Gas and the Power Generation industries, it features HART 7 communication, NAMUR NE 107 diagnostics as well as Ex approvals.

Available in both compact (C) and rail-mounted (R) versions, the new transmitter can be programmed via PC or HART handheld, or wireless by using the OPTITEMP Connect mobile app for iOS and Android devices. The app can communicate with OPTITEMP TT 53 via the built-in Near Field Communication (NFC) or the optional OPTITEMP TT-CON BT configuration kit, a small Bluetooth modem. From a mobile device, the user can program, configure and monitor the transmitter, e.g. set mA outputs, perform an output simulation, view actual supply voltage, check the runtime counter and the current or historical process/ambient temperature log. Via HART 7 communication, some of these readings can also be made available to a PCS.

The robust design of the OPTITEMP TT 53 ensures reliable operation even under harsh environmental conditions: vibration-resistance up to 10 g, a fast step response time and a high accuracy (±0.08% of span; max. ±0.08K) result in a high long term stability (max. drift ±0.02% of span/year). With ATEX and IECEx approvals, the new transmitter is suitable for use in hazardous areas. OPTITEMP TT 53 offers extended diagnostic information according to NAMUR NE 107, e.g. device error, sensor break monitoring and wiring conditions. It is also compliant to NAMUR recommendations NE 21, 43 and 53.

Bluetooth is a registered trademark of Bluetooth Special Interest Group

HART is a registered trademark of FieldComm Group

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:**



**Caption:** OPTITEMP TT 53 C/R temperature transmitter with NFC and Bluetooth

Issued by:

KROHNE Messtechnik GmbH

Ludwig-Krohne-Str. 5

47058 Duisburg

[www.krohne.com](http://www.krohne.com)

Press contact:

Jörg Holtmann, PR Manager

Tel: +49 203 301 4511

[j.holtmann@krohne.com](mailto:j.holtmann@krohne.com?subject=ISA%20Messe-Award%20für%20UFM%203030)