**OPTIWAVE 1010: New radar level transmitter for bypass chambers and magnetic level indicators**

* 2-wire FMCW radar level transmitter for bypass chambers and magnetic level indicators (MLI)
* Continuous measurement of liquids, no minimum dielectric constant when used with a float
* Direct and accurate measurement of level in bypass chamber
* Dual process seal system for maximum safety and removal of converter under process conditions

**Text:**

Duisburg, January 19, 2016: With OPTIWAVE 1010, KROHNE introduces a new radar level transmitter for bypass chambers and magnetic level indicators . The 2-wire FMCW radar level transmitter is designed as a cost-effective solution for the continuous level measurement of liquids in bypass applications in various industries, e.g. chemical, power, water and wastewater, or automotive.

OPTIWAVE 1010 can be combined with the KROHNE BM 26 ADVANCED bypass chambers and magnetic level indicators (MLI), thereby adding a 4…20mA HART output to the mechanical devices. The combinations can be conveniently ordered as a whole, e.g. as BM 26 W1010 (OPTIWAVE 1010 welded to BM 26 ADVANCED). Alternatively, it can be welded on any bypass chamber with internal diameter 38…56 mm / 1.5…2.2". Thus it is also an ideal solution for other MLI manufacturers to add a level radar measurement option to their product range.

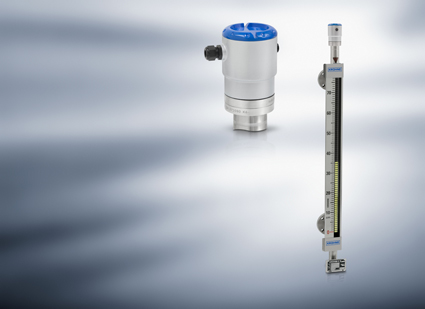
OPTIWAVE 1010 is competitively priced to replace reed chains, magnetostrictive and simple TDR transmitters that are typically used with bypass chambers or MLIs. In addition to a measuring accuracy of ± 5 mm / 0.2", the FMCW principle offers a much better overall accuracy in bypass applications: while reed chain and magnetostrictive principles are measuring the float position which depends on the product density, the FMCW radar directly measures the liquid surface.

Application range for OPTIWAVE 1010 includes almost any liquids with process temperatures ≤ +150°C / +302°F up to 40 barg / 580 psig and measuring ranges up to 8 m / 26.2 ft. With clean liquids of dielectric constant εr ≥ 3 the device measures the surface directly, for εr < 3, a float with target is used.

OPTIWAVE 1010 features a dual process seal system that allows for removal of the converter under process conditions. The 2-wire loop-powered HART device is pre-configured in the factory and ~~is~~ delivered ready to use. Application-specific adjustments are possible via HART/ DD and DTM.

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 3,500 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:** OPTIWAVE 1010 FMCW radar level transmitter for bypass chambers and magnetic level indicators (MLI)

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)