**New additions to OPTIFLEX level transmitter series**

* Four new guided radar (TDR) devices specifically designed for certain areas of application, including hygienic, hazardous, high temperature/pressure or functional safety applications
* Dynamic Gas-phase Compensation (DGC) with coaxial probes: accurate measurement in applications where the composition of the gas above the measured liquid can change
* 2-wire 4…20 mA HART 7, large choice of probes, optional process seal systems, compact or remote versions

**Text:**

Duisburg, December 11, 2019: KROHNE introduces four new additions to the OPTIFLEX series of guided radar (TDR) level transmitters. Each device is designed for specific areas of application in the Chemical, Oil & Gas, Power, Metals, Minerals & Mining, Pharmaceutical or Food & Beverage industries.

OPTIFLEX 3200 is the first choice for applications with hygienic requirements in the Pharmaceutical and Food & Beverage industries. It features a CIP/SIP-suitable hygienic design for liquid level and interface measurement in small vessels with process conditions up to +150°C/ +302°F and 40 barg/ 580 psig. Insensitive to steam, foam and condensation, the device offers a measuring range 0.6…4 m/ 1.97…13.12 ft with an accuracy of ±2 mm/ ±0.08¨.

OPTIFLEX 6200 is designed for solids from granulates to powders in the Chemical, Agri-Food, Metals as well as the Minerals & Mining industries. It can be used for level measurement in silos up to 40 m/ 131 ft with a measuring accuracy of ±2 mm/ ±0.08". Designed to withstand high traction loads and process conditions up to +200°C/ +392°F; 40 barg/ 580 psig, it is insensitive to dusty atmosphere or deposits on the probe.

OPTIFLEX 7200 aims at the Chemical and Oil & Gas industries for level and interface measurement of liquids in process and storage applications with ±2 mm/ ±0.08¨ accuracy. It offers an extensive choice of probes for measuring distances up 60 m/ 197 ft and dielectric constants down to 1.3 (TBF 1.1), and can be used with aggressive media in process conditions up to +250°C/ +482°F and 100 barg/ 1450 psig.

OPTIFLEX 8200 has similar features and offers a double ceramic process seal system for liquids up to +315°C/ +599°F and 320 barg/ 4641 psig. Both devices offer Dynamic Gas-phase Compensation (DGC) (in preparation) with the coaxial probes, ensuring accurate measurement without increased blocking distance in applications where the composition of the gas above the liquid can change suddenly, e.g. in steam boilers.

All four new TDR transmitters feature 2-wire 4…20 mA HART 7 communication with an optional second output (current or relay) and a real-time clock for event logging. They have been developed SIL 2/3-compliant according to IEC 61508 for safety-related systems and come with various Ex approvals. Common features also include a quick coupling system as well as compact and remote converter versions (up to 100 m/ 328 ft) made of aluminium or stainless steel. All devices are rated IP66, IP68 and NEMA 4X/6P.

Together with the cost-effective OPTIFLEX 1100 for basic liquid applications and the POWERFLEX 2200 for liquids in the Nuclear industry, they represent the KROHNE guided radar (TDR) level transmitter portfolio.

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 3,900 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:** OPTIFLEX series of TDR level transmitters specifically designed for certain areas of application

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