

► Flexibility is the main principle

KROHNE

► *achieve more*

► OPTIFLEX 2200 – The modular TDR level meter

In 1995, KROHNE introduced the first Guided Radar TDR meter able to reliably determine level and interface. It was an innovation for liquid and solid measurement in all industries. OPTIFLEX 2200, the new member of the KROHNE level family, is the continuation of our many years of experience in this field.

Its modular housing and sensor design ensures suitability for a variety of mounting positions and applications. It can be used for liquids, pastes, slurries, powders and granulates. Even when the product surface is agitated or covered with a layer of foam, OPTIFLEX 2200 performs level measurements accurately. These factors make it ideal for all industries, including energy, oil and gas, chemicals and petrochemicals, mining, water and wastewater, pulp and paper, food and pharmaceuticals.

OPTIFLEX 2200 is designed and developed according to IEC 61508 for Safety Integrity Level (SIL 2 issued by an independent certifying body).



OPTIFLEX 2200

Versatility in the field

OPTIFLEX 2200 is the perfect level meter for storage and process tanks, with a measuring range of up to 40 m. Thanks to the innovative housing and sensor design, you can specify the way the display is fixed to the device. So that it is accessible, regardless of whether it is installed and operated on a tank roof, in a recess or in buildings with low roofs. The remote version – OPTIFLEX 2200 F – features a separate converter with display, which can be mounted and operated up to 100 m away from the sensor (e.g. tank bottom).

Upgrade existing devices easily

This 2-wire device is not only backwards compatible with the OPTIFLEX 1300 but also with KROHNE level meters from previous generations: BM 100 A and BM 102. Simply install the converter of the OPTIFLEX 2200 on the flange and sensor assembly of the existing device: it is unnecessary to remove the device or empty the tank. This will quickly bring your existing measuring equipment up to date so that it conforms to the highest standards and provide you with options such as SIL, ATEX, FF, Profibus PA and HART.

Proven quality from KROHNE

As a pioneer in TDR measuring technology, KROHNE ensures that its devices are accurate and reliable. We supply devices that are the best possible solution for your applications by also making sure that they can measure products with low dielectric constants ($\epsilon_r \geq 1.4$ [1.1]), temperatures ranging from -50 to $+150$ °C and pressures up to 40 bar. Each device is calibrated for its particular application. The robust housing is available in stainless steel or aluminium.

Highlights:

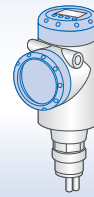
- Modular housing and sensor design
- Simple operation without opening the housing
- Backwards compatible with BM 100 A, BM 102 and OPTIFLEX 1300 level meter
- Measuring range up to 40 m
- PACTware™ and DTMs included free of charge and with full functions
- Remote version: converter can be installed and operated up to 100 m away from the sensor
- Display text available in 9 languages
- Designed and developed acc. to IEC 61508 for Safety Integrity Level (SIL 2 issued by an independent certifying body)

Contact

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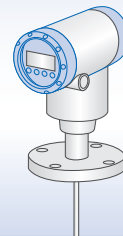
Examples of installation:

OPTIFLEX 2200 C – Compact/Vertical version



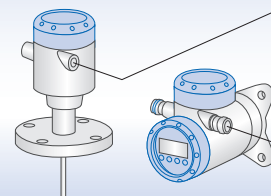
This version makes it easier to read and operate devices located directly on a tank roof or in a recess.

OPTIFLEX 2200 C – Compact/Horizontal version



This variant is ideal for installation in places with low roofs.

OPTIFLEX 2200 F – Remote version



This version has a separate converter with display, which can be installed and operated up to 100 m away from the sensor; e.g. tank bottom



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