

# OPTIWAVE 1540

**Brand:** Krohne



## Short Description

Radar level transmitter for basic applications with liquid chemicals and open-channel flow Cost-effective non-contact level measurement in IBCs, chemical tanks (up to 5 bar / 72.5 psi), (waste)water applications with high accuracy requirements Compact and robust 80 GHz radar with flush-mounted PVDF Lens antenna; display or waterproof (IP68) version also available; for use as level and flow transmitter Measuring range: 0...15 m / 49.2 ft 2-wire 4...20 mA HART®7; user-friendly commissioning via Bluetooth® using the OPTICHECK Level Mobile app

## Description

Economical and compact level solution for applications with high accuracy requirements ( $\pm 2$  mm /  $\pm 0.08$  in) Highly flexible: can be easily adapted to different applications by way of another quick device set-up Robust PVDF housing, also available with display or as an IP68-rated waterproof version designed to withstand heavy rainfall and flooding events for several days PVDF Lens antenna in DN40 / 1½" Virtually no dead zone Small beam angle of 8° for reliable level measurement in narrow tanks and channels Antenna material is chemically resistant to a wide range of products Totalizer functionality for volume and flow rate monitoring, e.g. for open-channel applications Extremely high dynamics for reliable level measurement also in the event of condensation or agitated surfaces TBM (Tank Bottom Management) ensures reliable measurement even in empty tanks Dedicated algorithms to filter and compensate for irregular radar wave reflections that occur at tank bottom when the vessel is empty Allows for quick and easy commissioning of tanks regardless of their size, material or geometry User-friendly device installation and set-up, easy commissioning possible without prior knowledge Via Bluetooth® in combination with mobile phone or tablet and the OPTICHECK Level Mobile app Via

HART® using the OPTICHECK DTM with quick set-up assistant Features OPTICHECK technology built-in Enhanced device diagnostics On-site verification without process interruption using the OPTICHECK service tools Verification report about device status with one click Drift-free and maintenance-free, no need for recalibration Delivered with a 5 m / 16.4 ft shielded cable Large choice of accessories available - from orientation kits to brackets and low pressure flanges to weather protections and purging kits 3-year warranty

## Product Gallery

