

# VF04 TDR Guided Wave Radar

For liquids and solids - durable & reliable - simple programming & silo tank commissioning

The Hycontrol Reflex VF04 TDR guided wave radar is unaffected by pressure, temperature, viscosity, vacuum, foam, dust, coating or changes in dielectric constant.

The probe measures liquids and solids up to a maximum range of 24m with an accuracy of +/- 5 mm and offers a selection of durable and highly reliable probes.

A cable is lowered into the vessel from the top and continuously measures the level of product as it makes contact along its length.



**Guided Wave Radar VF04**

TDR contact based tank level measurement



[Watch VF04 Tank Silo Installation Video](#)

The VGF-DISPLAY unit allows for fast programming and simple commissioning and can be removed for safe-keeping afterwards.

The TDR principle of operation is based on pulses of low power microwaves travel along conductors. It then reflects when the wave meets the product surface. To extrapolate the required level information, the instrument measures the time between emission and reception, which is proportional to the distance.

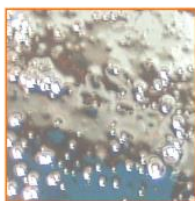
## Product Features:

- Installation by 1" or 1.5" BSP or NPT
- Two-wire loop powered 24 VDC
- ATEX options available
- High-temperature option up to 200°C
- Immune to pressure, foam & dust
- Unaffected by dust during the fill
- High accuracy +/- 5 mm
- 4-20 mA & HART output
- Rod, cable or coaxial probes



[PDF datasheet](#)

## Applications:



Acids



Plastics



Grain



Powders



Flakes



Oils