quick start

**OPTIWAVE 1400**

**Radar (FMCW) Level Transmitter**

For initial setup, we recommend the use of the relevant manuals!

Installation, assembly, start-up and maintenance may only be performed by appropriately trained personnel.

The responsibility as to the suitability, intended use and corrosion resistance of the used materials against the measured fluid of this device rests solely with the operator.

For complete documentation (manuals, supplementary manuals, data sheets and certificates) please refer to [www.krohne.com/Downloads](http://www.krohne.com/Downloads).

**1 Installation**

1. current output + (brown); current output – (blue)
2. shielding

**Obstacles (signal interference):** use **A4.2 - Empty Spectrum**

**Typical applications**

- Open channel flow
- Plastic tank e.g. IBC (Intermediate Bulk Container)

**2 Electrical connection**

1. 4...20 mA (max. 21.5 mA)
2. 12...30 V DC (Non-Ex; Ex i)
3. ≥ 250 Ω

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3 Auto Setup

Use PACTware™ and the respective DTM to commission the device on site.

A4.1 – Standard Setup
- A4.1.1 Length: mm, cm, ...
- A4.1.2 Tank Type: Storage, ...
- A4.1.2.2 Tank Height: mm
- A4.1.3.1 Current Output: Level, ...
  - A4.1.3.2 0% Range: mm
  - A4.1.3.3 100% Range: mm
  - A4.1.3.4 Current Output Range: 4-20 mA
  - A4.1.3.5 Error Function: Low, ...

To finish, press: ✓

Volume / Volume Flow
C3.1 – Conversion Dry
- Select Length Unit: mm, cm, ...
- Select Conversion Function: ...
- Select Conversion Unit: ...

Password: 0058

A4.2 – Empty Spectrum
- Empty Spectrum Type: Partial, Average, ...
- Partial Distance: 800 mm

Record Empty Spectrum

Store to device: 🗂

Volume Flow or Volume
Conversion via Tank Shapes
- h(max) = C1.2 Tank Height value
  - Select an Open Channel
  - Select a Tank Shape
  - Check your conversion table

To finish, press: >>

C4.1 – Current Out
- C4.1.1 Current Output: Volume or Flow
  - C4.1.2 0% Range: ...
  - C4.1.3 100% Range: ...
  - C4.1.4 Current Output Range: 4-20 mA
  - C4.1.5 Error Function: Low, ...

Contact
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