

# Capacitance level indicator

## CapFox® EFT 7



- For non-conductive media such as fuel oil and diesel fuel
- Band electrode can be shortened on site as required
- Rod probe for tank heights exceeding 200 mm
- Band electrode 6,000 mm optional



CapFox® EFT 7  
with rod probe

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**Application** Capacitance level indicator for continuous measurement of levels in tanks and containers for non-conductive media, especially fuel oil and diesel fuel.

**Description** The capacitance level indicator CapFox® EFT 7 detects the change in electrical capacitance caused by the change in level. The device is available with either a flexible band electrode or a rigid probe. Please specify the length of the rigid probe when ordering. Zero and full scale can be adjusted via an internal potentiometer. The output signals are proportional to the liquid level.

### Technical specifications

#### Measuring range

0/200 mm to 0/3,000 mm, depending on selected probe

#### Measuring accuracy

±2 % FS

Linearity: < 2 % for AC = 75 pF and Co = 200 pF  
Temperature deviation: 0.1 %/1K

#### Operating temperature range

Ambient: -20/+50 °C

#### Process pressure

Atmospheric

#### Process connection

Aluminium

Flexible band electrode G1B

Rod probe G1½B

#### Flexible band electrode

3,000 mm long flexible electrode band cable (can be shortened to 1,150 mm) with plastic probe weight

#### Rigid rod probe

Electrode stainless steel 316 Ti  
Concentric shielding tube, steel  
Required probe length must be specified with order  
Minimum length 200 mm  
Maximum length 1,500 mm

#### Supply voltage

AC 230 V, DC 24 V, AC 24 V

#### Power input

AC 3 VA/DC 2 W

#### Output signals (load)

4–20 mA (max. 500 Ohm)

0–10 V (min. 10 kOhm)

#### Capacitance range

0–300 pF

#### Housing

Impact-resistant plastic (ABS)

W x H x D 104 x 65 x 144 mm

#### Degree of protection

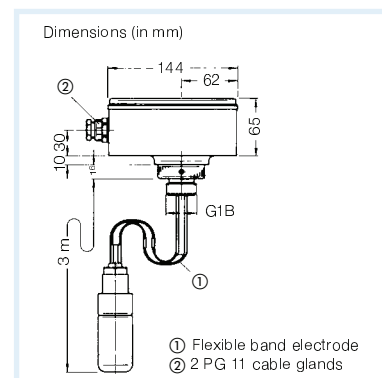
IP 65 (EN 60529)

#### Electrical connections

2 x cable gland PG 11

#### Options

- Flexible band electrode 6,000 mm
- Other lengths



DG: H, PG: 4	Part no.	Price €
CapFox® EFT 7 with flexible band electrode 3 m	52107	
CapFox® EFT 7 with rod probe, please specify length!	52108	