

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)



5

Application Capacitance level indicator for continuous measurement level 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 % C 200 pF < Δ C < 275 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

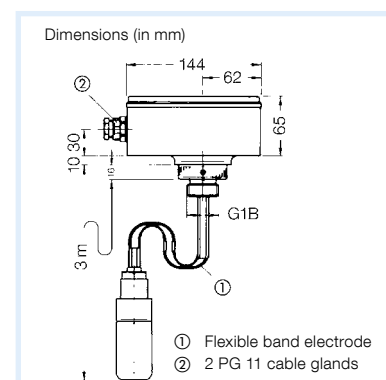
Housing
Impact-resistant plastic (ABS)
W x H x D 104 x 65 x 144 mm

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	

Blue part no. = in-stock items