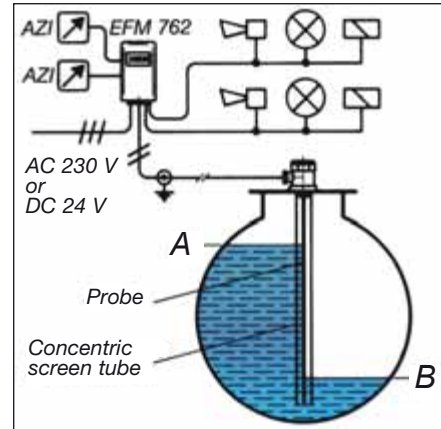


# Capacitance level indicators

## CapFox® EFM 741/752/762



### Application

For continuous level measurement in containers, silos, tanks or filling systems.

Suitable for liquid, powdery, electrically conducting or non-conducting media.

Also suitable for pressurised or vacuum tanks.

### Description

The capacitance level indicator consists of a series CapFox® EFM evaluation unit with digital display, a probe and a pre-amplifier which is factory fitted in the probe head. CapFox® EFM 741 provides only indication.

CapFox® EFM 752 indication plus one limit switch. The fully adjustable limit switch for a min. or max. signal, with variable hysteresis, can be used for control functions (voltage-free relay contact).

CapFox® EFM 762 has two independently adjustable limit switches to control filling/emptying processes.

The choice of probe (partly or fully insulated, rigid or flexible) depends on the properties of the material to be measured and the shape of the tank. Fully insulated probes must be used for conducting media. The probes are equipped with a capacitance voltage transducer (HF probe insert) in the probe head and are mounted vertically.

### Technical specifications

#### Measuring range

0/200 mm to 0/12,000 mm, depending on selected probe

#### Accuracy of measurement

±2 % FSD

#### Operating temperature range

Ambient: -10 °C/+50 °C

#### Process pressure

Depending on selected probe

#### Display

3½ digit LCD display  
Resolution 0.1 % (±1 digit)

#### Displayed units

0–100 % % liquid level

#### Supply voltage

AC 230 V or DC 24 V

#### Power consumption

5 VA

#### Output signals

0–10 V/4–20 mA

#### Relay outputs (relay contacts)

EFM 741 None  
EFM 752 1 x voltage-free changeover contact  
EFM 762 2 x voltage-free changeover contacts

#### Switch rating

AC 250 V 3 A  
DC 24 V 0.5 A

#### Visual indication (752/762)

Green LED: normal operation  
Red LED: alarm condition  
Switch point indication

### Fail-safe mode (752/762)

Integrated selector switch for min. or max. fail-safe mode (low/high)

### Housing

Wall mounting housing with plug-in base, impact resistant plastic (ABS)  
W x H x D: 76 x 150 x 115 mm

### Protection

IP 30 (EN 60529)

### Ordering information

Complete measuring system EFM series (items to be ordered separately):

- Evaluation unit EFM
- HF probe insert type 3640 211
- Probe
- Concentric screen tube (not required with flexible band electrode since the earth electrode is already integrated)

Refer to pages 30, 31 for probes and pre-amplifiers.

Select according to the operating conditions. Special customer-specific probes are available in addition to the standard probes.

DG: E	Part no.	Price €
<b>EFM 741</b>	<b>51741</b>	
<b>EFM 752</b>	<b>51752</b>	
<b>EFM 762</b>	<b>51762</b>	