

EFT 7

Compact Capacitance Level Indicator



- ✓ **Compact all-in-one unit**
- ✓ **For Fuel Oil Tanks and other non-hazardous liquids**
- ✓ **4-20mA output signal**
- ✓ **Flexible band or solid rod electrodes**
- ✓ **Reliable and well proven**
- ✓ **Cost effective**

Excellence in Level Measurement



EUROGAUGE
... the level people



Application

The *EFT 7* is a compact, all-in-one, low cost Capacitance type Level Indicator especially designed to measure tanks ranging from 200mm to 3000mm in height containing non-conducting liquids such as light fuel oils, diesel, etc.

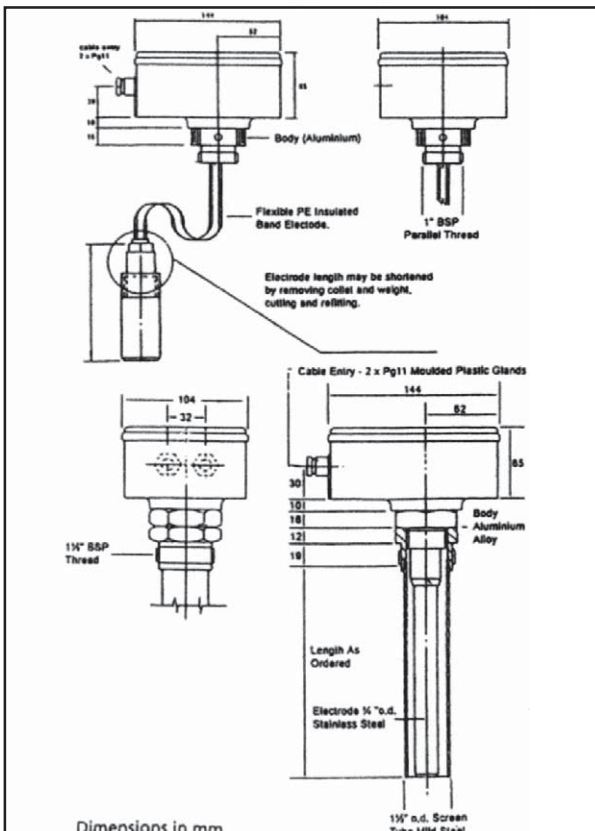
In standard form the unit is supplied complete with a 3 metre long flexible Band Electrode, screwed 1" BSP, which may be shortened on site according to tank height.

For small tanks from 200mm to 1200mm in height or diameter, a solid rod type probe with screen tube, screwed 1½" BSP, is supplied to suit individual customer requirements.

Operation

The electrode of the *EFT 7* forms an electrical capacitor with the surrounding metal container wall. With the vessel empty, an initial capacitance exists between the electrode and the metal wall. When the probe becomes covered with liquid, the value of this 'capacitor' increases and the capacitance change is measured and converted into an output signal proportional to the capacitance change.

Dimensions



Specification

Supply

110 or 230V 50/60 Hz, Tol. -15% +10%, 3VA
or 24V DC (20-28V DC)

Outputs

0 10 Volts @ R.Min = 10KΩ
420mA @ constant current R.Max = 500Ω

Linearity

<+2% for ΔC = 75pF and Co = 200 pF
<+1% for ΔC = 37.5 pF and Co = 100 pF

Temperature

Ambient -20 ... 50°C
Co-efficient 0.1%/°C

Housing

Glass loaded ABS (blue)

Protection

IP 65 (BS 56490/IEC 529)

Cable Entry

2 x PG11 cable glands for 5-8mm Ø cable.

Mounting Boss

Band Electrode Unit: 1" BSP
Screen Tube Unit: 1½" BSP

Weight

With Band Electrode: approx. 1.5kg
With Screen Tube 1m: approx. 5kg

We reserve the right to alter specifications or designs without notice.

EUROGAUGE ... *the answer*
to All your Level Applications

- **RADAR and MICROPULSE**
- **ULTRASONICS**
- **PRESSURE TRANSMITTERS**
- **VIBRATION SWITCHES**
- **CAPACITANCE**
- **Float Level Switches**
- **Conductivity**
- **Rotary Paddle and 'Plumb bob'**
- **Magnetostrictive**
- **Self-powered gauges**
- **Oil/water Alarms**
- **Leak Detectors**
- **Pressure and Temperature**



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