

RECORD Field Mount

MOVING COIL INDICATORS

FOR HAZARDOUS AREAS



BENEFITS

- Holds both Intrinsically Safe and nL Type certification.
- Easy to read analogue indication gives at a glance a steady reading of level and rate of change.
- Simple to install with maintenance free weatherproof case.
- Individually calibrated and scaled to customers requirements.

APPLICATIONS

- Suitable for both safe and hazardous area applications.
- Petrochemical process plants, offshore oil and gas platforms, water treatment sites.
- Monitoring flow, level, volume, pressure temperature, etc.

FEATURES

- Strong epoxy-coated die-cast case sealed to IP66 with 5mm toughened glass window.
- Many fixing methods including pipe, wall or panel fixing.
- Stainless steel tag plate marked with your unique serial number.



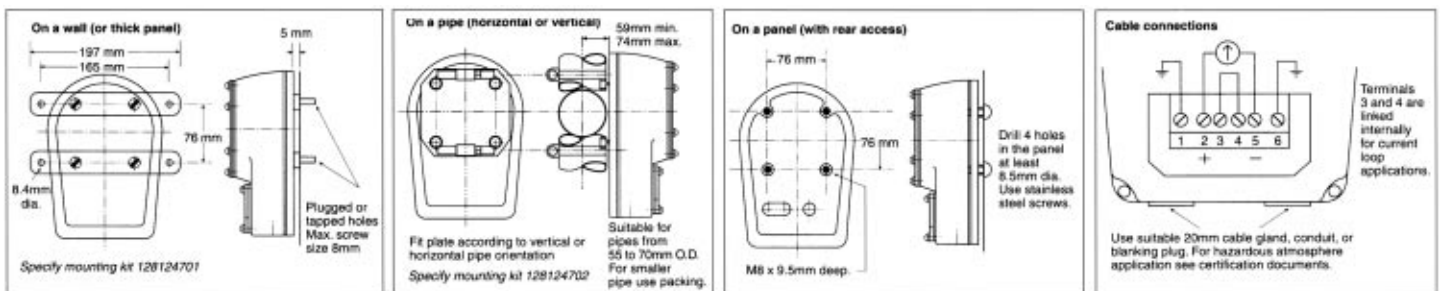
Known as the **FM4** this field-mounted indicator is rugged, weather proof in design and tested to withstand severe climatic and operating conditions such as those found on offshore oil and gas installations or exposed process plants.

The **FM4** utilises the 240° "Premier" movement. This proven movement system is manufactured

using the very best precision components and automated production facility. These factors give the movement system its inherent reliability, linearity and accuracy.

The FM4 is manufactured to the most rigorous standards - in line with SIRA Certification & ISO 9001 and ATEX Quality requirements.

Mounting & Connection Details



Specifications & Construction

| | |
|-------------------------|---|
| Popular Ranges mA dc | Terminal Resistance (nominal) ohms |
| 4 /20 | 4 |
| 0/10 | 4,5 |
| Supply | None Required |
| Accuracy | ± 1% at 20°C (To BS 89:Part 1:1990, EN 60051-1:1989) |
| Ambient Temp. Limits | -25°C to +70°C |
| Case | Epoxy-Coated Die Cast LM6 Alloy |
| Window | 5mm Toughened Glass |
| Gaskets | Hypalon |
| Sealing | IP66 (Protected Against Ingress or Dust and Powerful Jets or Water) |
| Movement | Shock & Vibration Resistant Pivot and Jewel suspension |
| Dial | 100 mm Flat Metal Dial, Colour White |
| Weight | 2.1 Kg (Excluding Fittings) |
| Dimensions | See Diagrams |

Hazardous Atmosphere

| | | |
|--|---------------------------------|---|
| Certified Ranges mA dc | Movement Resistance min ohms | Max Inductance uH |
| 4/20 | 4 | 195 |
| 0/10 | 4,6 | 200 |
| Intrinsically Safe Certification ia | | |
| Cert No: | | SIRA 03 ATEX2270 |
| Certification Codes | | EEx ia IIC T6 Wmax in = 0.5W lmax in = 660mA |
| | | EEx ia IIC T5 Wmax in = 0.7W lmax in = 660mA |
| | | EEx ia IIC T4 Wmax in = 1.1W lmax in = 660mA |
| Energy Limitation Certification nL | | |
| Cert No | | SIRA 03 ATEX4271 |
| Certification Code | | EEx nL IIC T6 In = 60mA Un = 1v EN50021: 1999 |

Ambient Temperature Limits: -20 °C to +40 °C

In accordance with our policy of continual improvement in design we reserve the right to depart from details in this publication without prior notice.