

FM4 PROCESS INDICATOR



Field Mount MOVING COIL INDICATORS



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.

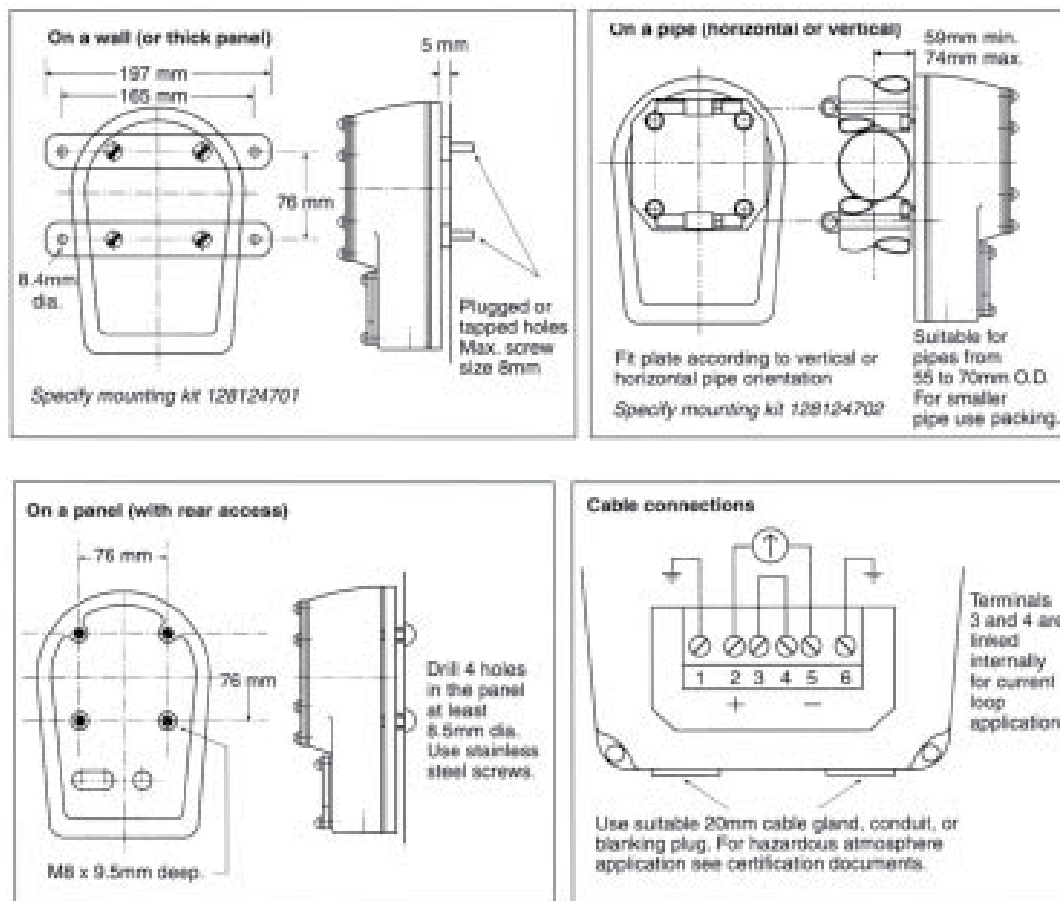
Known as the FM4 this field-mounted indicator is rugged, weather proof in design and tested to withstand severe climatic and operating conditions such as those found on offshore oil and gas installations or exposed process plants.

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.

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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

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

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 Imax in = 660mA	
	EEx ia IIC T5 Wmax in = 0.7W Imax in = 660mA	
	EEx ia IIC T4 Wmax in = 1.1W Imax 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