

FLP TEMPERATURE INDICATOR

DPI-01-F



Polmon's series of Temperature instruments are specially designed and manufactured for the measurement of Temperature in process industries like Chemical, Pharmaceutical, Cement etc. where temperature plays a vital role and its measurement requires being accurate.

Features

- Flame Proof Enclosure for Zone1, Zone2 Gas Gr.IIA, IIB
- 3 wire RTD lead wire resistance compensation
- 3-point calibration for RTD Input
- High Intensity 1", 3 ½ Digit Display

- Dual-compartment housing provides the highest reliability
- **Sensor open/burn out indication**
- Test & Calibration certificate traceable to national standards

Applications

- Bulk Drug Industries
- Pharmaceuticals
- Mines
- Petrochemical Industries

Specifications

Technical

Model Number	DPI01-F-1-3	DPI01-F-2-3	DPI 01-F-2-4	DPI 01-F-3-3	DPI 01-F-4-3
No. of Channel	1				
Input type	RTD Pt100 (DIN 43760 Std.), 3 Wire			J-Type Thermocouples	K-Type Thermocouples
Measuring Range	-50.0°C to 199.9°C	-50°C to 350°C	-50°C to 350°C	0°C to 500°C	0°C to 1200°C
Accuracy	± 0.1 % of Full Scale (or) ±1 count			± 1.0 % of Full Scale	
Resolution	0.1°C	1°C	0.1°C	1°C	1°C
Analog output	4-20mA @ load 500Ω			No output	
Analog output Accuracy	±0.05mA			NA	
Calibration	3 Point calibration (0%, 50%, 100% of full scale)			Zero-Span	
Cold junction compensation	NA			Automatic	
Display	1", 7segment, high intensity Red (3 ½ or 4 digit)				

Power supply

Input Supply	220V AC, 50Hz, 10VA
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Physical

Enclosure	Aluminium Flame Proof and Weather Proof Dual Chamber For Gas Gr.IIA, IIB Explosive atmospheres.
Mounting	Wall mounting
Weight	6.5 Kg (approx.)
Cable Entries	3No's ¾"ET
Glands/Dummy	Not Provided (Order Separately)

Environmental

Operating temperature	10 to 60°C
Humidity	10-95%RH, Non condensing

Ordering Information for DPI01F

DPI01	X	X	X
Model No	Enclosure	Input Type	Digit DPM
DPI01	F- FLP	1- RTD Low Temp	3- 3 ½digit
		2- RTD High Temp	4- 4 digit
		3- J type	
		4- K type	

MECHANICAL DRAWING OF DPI01F

