

# FLP TEMPERATURE INDICATOR

MODEL No: DPI-01-F

\*\*\* Ideal for Temperature Measurement

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 & control require being accurate.

Over 10 years of dedicated research has led to design of very reliable series of Temperature/Process indicators. The instruments are versatile, easy to install & have wide options to suit customer requirements.



## Features:

- ❖ Built in RTD sensor linearization.
- ❖ Test & calibration cert. traceable to national standards.
- ❖ 3-point calibration for RTD input.
- ❖ 3 wire RTD, lead wire resistance compensation.
- ❖ Big display (1 inch), High intensity.
- ❖ Sensor open/burnout indication.
- ❖ 4 – 20 mA Output.
- ❖ Dual-compartment housing provides the highest reliability in harsh industrial environment.

## Specifications :

Model No.	DPI 01-F-1-3	DPI 01-F-2-3	DPI 01-F-2-4	DPI 01-F-3-3	DPI 01-F-4-3
Enclosure	<b>Flame Proof and Weather Proof Dual Chamber For Gas Gr.IIA, IIB Explosive atmospheres in accordance With IS: 2148-2004 &amp; IS: 12063-1987 CIMFR CERT.NO: CIMFR/TC/P/H758.</b>				
NO. of Inputs	1				
Input type	RTD Pt100 (DIN 43760 Std.), 3 Wire			Thermocouples*	
				J	K
Measuring Range	-50°C to 200°C	-50°C to 350°C	-50°C to 350°C	0 °C to 500 °C	0 °C to 1200 °C
Resolution	0.1°C	1°C	0.1°C	1 °C	
Accuracy	± 0.1 % of Full Scale (or) ±1 count			± 1.0 % of Full Scale	
Calibration	<b>3 point calibration (0%, 50%, 100% of Full scale)</b>			Zero – Span	
Cold junction compensation	NA			Automatic	
Analog output	<b>4 to 20 mA @ load 500 Ω</b>			No output	
Analog output Accuracy	<b>± 0.05mA</b>			NA	
Display	3 ½ digit	3 ½ digit	4 digit	3 ½ digit	
	1", 7 Segment, high intensity Red LED's				
Mounting	Wall mounting				
Instrument Earth	Provided				
Environmental Ranges	1. Operating temp. : 5 to 45 °C				
	2. Storage temp. : 5 to 65 °C				
	3. Humidity : Less than or equal to 80% RH non-condensing.				
Power	220V AC, 50 Hz, 10 VA.				
Weight	6.5 Kg (approx.)				

\*Other inputs provided on request.

### Standard Supply:-

- Test & calibration certificates.
- Instruction manual.
- Warranty certificate.

### Optional Accessories:-

- Temperature Calibrators.
- Temperature sensors.
- FLP DC Glands

\* Ask product catalogs for more information.

