

LARGE DISPLAY DIGITAL TEMPERATRURE / PROCESS INDICATOR (Model DPI-4000-D & DPI-8000-D)



Model Wise Description:

Model	Product Description	Size (W X H X D) mm
DPI-4000-D	Large Display Digital Process Indicator with 4" digit height	500 x 250 x 150
DPI-8000-D	Large Display Digital Process Indicator with 8" digit height	760 x 340 x 150

Description:

Libratherm offers large display digital temperature/process indicator to monitor the temperature/process value from long distance or height. The design is based on Analog and Digital circuit using 3 and ½ digit DPM or 4 digit DPM and 7 segment LED display modules.

The indicator is housed in a sturdy powder coated metal enclosure and can be mounted on wall or on ceiling or on the shelf at a height. It accepts factory set thermocouple, Pt-100 or universal analog signal of 4-2mA, 0-20mA, 0-5VDC or 0-10VDC which can be scaled and calibrated as per user requirement in the range of 0 to 1999 or -1999 to 1999 or 0 to 9999 or -1999 to +9999 counts.

Features:

- Solid state electronic design.
- 3 and ½ digit or 4 digit DPM
- Factory set input type – as per user's requirement
- Choice of 4" and 8" digit size for long distance visibility

Technical Specification:

Design	Solid state design using 3 and ½ digit and 4 digit DPM
Signal Input	Standard Thermocouples (J, K type), Pt-100, 0-20mA, 4-20mA, (0-5)VDC, (0-10)VDC – user to specify at the time of placing order.
Display	4 digit – 4” seven segment red LED display (DPI-4000-D) 4 digit – 8” seven segment red LED display (DPI-8000-D)
Display Range	For Process Input : i) -1999 to +1999 or 0 to 1999 ii) -1999 to 9999 or 0 to 9999 For Temperature Input : iii) 0 to 400oC (J type) / 0 to 1200oC (K type) iv) 0.0 to 199.9oC / -100.0 to 199.9oC (RTD) v) For any other input calibration range to be specified.
Calibration Range	User to specify the desired calibration range. (On site calibration adjustment possible using ZERO and SPAN potentiometer)
Resolution	1 count, 0.1 count, 0.01 count or 0.001 count (user selectable – subject to selected input type)
Accuracy	+/-0.1% of the specified range.
Distance between 2 digits	Sufficient to identify each digit from long distance. Each digit is easily replaceable.
Power Supply	230AC +/- 10%, 50/60 Hz
Enclosure	Dust free – Metallic powder coated (IP 64)
Size (mm.)	500(W) x 250(H) x 150(D)- 4” LED display 760(W) x 340(H) x 150(D)- 8” LED display
Operating conditions	Temperature: 60 °C , RH 90% max.
Weight	6.0kg (approx.) for DPI-4000 and 10.0 Kg (approx.) for DPI-8000
Mounting	Wall mounting key holes, Ceiling mounted hooks or can be placed on a shelf.
Technical Documents	Each display unit will be supplied along with the detail user’s manual, wiring diagram, calibration report and MODBUS protocol.

Ordering Information:

Model	Standard Input type (A)	DPM type (B)
DPI-4000-D	J type T/C (Fe/Con) : 0 to 400oC (A1)	3 and ½ digit 0 to 1999 (B1)
DPI-8000-D	K T/C (Cr/Al) : 0 to 1200oC (A2)	3 and ½ digit -1999 to +1999 (B2)
	RTD1 : 0.0 to 199.9oC (A3)	4 digit 0 to 9999 (B3)
	RTD2 : -50.0 to 199.9oC (A4)	4 digit -1999 to 9999 (B4)
	0-5V – cal. range to be specified (A5)	
	0-10V – cal. range to be specified (A6)	
	4-20mA – cal. range to be specified (A7)	
	0-20mA – cal. range to be specified (A8)	
	Please specify any other input type (A9)	

Ordering code: Model – (Any one of A1 to A9) – (Any one of B1 to B4)