

MICROCONTROLLER BASED TEMPERATURE INDICATOR

DPI10SF



The POLMON "Digitized Process Indicator" has been specially developed to ease out the process of Data Acquisition with PLC based systems in Pharmaceutical industry. Instrument is user Friendly and ease to operate. Software Calibration with Magnetic Keys eliminates instrument opening in restricted areas.

Features

- Flame Proof Enclosure for Zone1, Zone2
 Gas Gr.IIA, IIB
- Analog input types RTD / 4-20mA (Field Configurable)
- Optional 4-20mA or MODBUS Interface for PLC / SCADA systems (Max 31 Devices without Repeater)
- Optional Single Set Relay output
- Password security to prevent unauthorized access (reconfigurable by user)

- True 3-wire Configuration
- User friendly local software Calibration for Analog Input & Analog Output
- Magnetic keys Operations eliminates frequent keypad maintenance problems
- Dual displays for Process Values
- True 3-wire RTD with lead wire compensation
- Status Indication such as Sensor open and Communication failure

Applications

Pharmaceutical Industries

Specifications Technical Model No. DPI10S-X-X-X-X-X No. of Channel RTD (Pt100 (DIN IEC 751 Std))/ mA (4-20) (Field Configurable) Analog Input Type Measuring Range, Accuracy and Resolution Measuring Range Resolution Accuracy -199.0 to 500.0°C RTD 0.1 ±0.1% of FSR -1.999 to 9.999 -19.99 to 99.99 4-20mA ±0.1% of FSR -199.9 to 999.9 -1999 to 9999 Analog Output 4-20mA (500 Ohms of Max load), Accuracy: ±0.05% of span 1 NO NC (Relays) Digital Output Zero & Span through keypad Calibration 0.8" 4 digit seven segment LED display Display 0.39" 4 digit seven segment LED Display 3mm LED's for status indication Scan Rate 1 Sec RS485 Proprietary / MODBUS RTU / WiFi Communication On/Off Control Type Control Modes Control Outputs Control Modes & Control O/P Heat/Cool 1 NO/NC 230VAC, 2 Amp Dead band Memory Non volatile Flash memory for programming parameters Security Password protected programming mode Power Supply Input Supply 24V AC/DC ,200mA (or) 100 to 260V AC, 50Hz, 25W (To be specified while ordering) Physical Aluminium Flame Proof and Weather Proof Dual Chamber For Gas Gr.IIA, IIB Explosive atmospheres. Enclosure Aluminium Material 5.5Kg (approx) Weight 5 No's 1/2" ET Cable Entries Glands/ Dummies Not Provided (Order separately)

Ordering Information for DPI-10S						
DPI-10S	Х	Х	X	Х	Х	Х
Model No	Enclosure Type	Input Type	Communication	Output 1	Power Supply	Future Use
DPI10S	F – FLP	1 – RTD	1 – RS485 PROPERITARY	0 – Relay (1 NO-NC)	1 – 230V	
		2 – 4-20mA (Linear)**	2 – RS485 MODBUS/ PROPERITARY		2 – 24V	
		3 – VACCUM- PRESSUR (4-20mA)	3 – 4-20mA Output			

Note: ** specify the input range for 4mA-XXXX, 20mA-XXXX

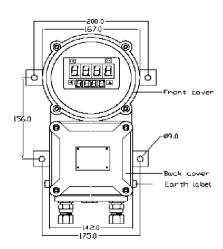
MECHANICAL DRAWING OF DPI-10S

10 to 50 °C

10-95%RH, Non-Condensing

Environmental
Operating Temperature

Humidity



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