

DIGITAL PROCESS SCANNER

DPI08M



8 Channel	Highly Accurate
Flame Proof	RS485 Modbus for Datalogging
Capacitive Touch Keys	

The POLMON "Digital Process Scanner" is designed to meet the solution for Reactor / Distillation Column Temperature monitoring and Data acquisition for 8 channels. Instrument is user friendly and easy to operate. Instrument Configuration and calibration with Capacitive touch keys eliminates instrument opening in restricted area.

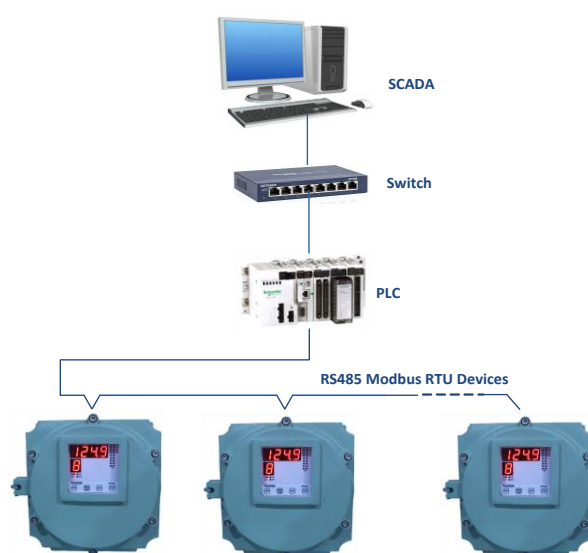
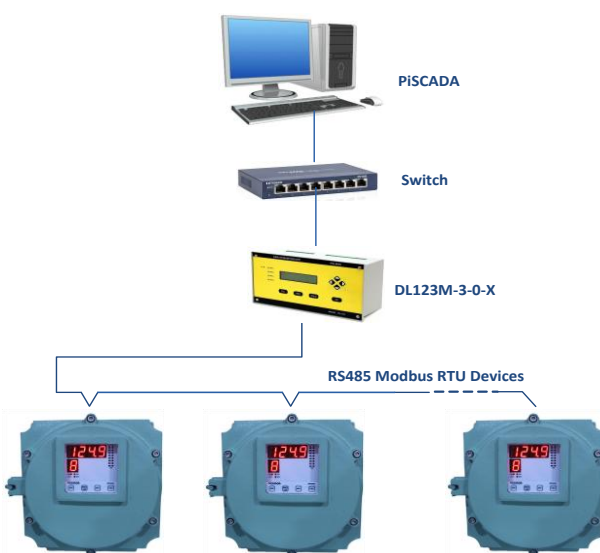
Features

- Flame Proof Enclosure for Zone1, Zone2 Gas Gr.IIA, IIB
- Analog input types RTD/4-20mA/0-10V
- RS485 MODBUS RTU
- Password security to prevent unauthorized access (reconfigurable by user)
- Capacitive Touch keys operation
- True 3-wire RTD with lead wire compensation
- Status Indication such as Sensor open and Communication failure

Applications

- Reactor temperature
- Utility temperature
- Distillation Column Temperature

Network Architectures



Specifications

Technical			
Model No	DPI08M-F-X-X-X-X-X-X-X		
No. of Channel	8		
Analog Input Type	RTD (Pt100 (DIN IEC 751 Std)) (Field Configurable)/ 4-20mA/0-10V		
Measuring Range, Accuracy and Resolution	Measuring Range	Resolution	Accuracy
	RTD	-199.0 to 500.0°C	0.1 ±0.05% of FSR
4-20mA / 0-10V	-199.9 to 999.9	0.1	±0.1% of FSR
	-1999 to 9999	1	
Keypad	Capacitive Touch Keys		
Calibration (Analog Input/ Analog Output)	Zero & Span through keypad		
Display	0.8" 4 digit seven segment LED display		
	3mm LED's for status indication		
Display Scan Rate	Programmable		
Communication	RS485 MODBUS RTU		
Security	Password protected programming mode		

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

Physical	
Enclosure	Flame proof for Zone1, Zone2 Gas Gr.IIA, IIB
Material	Aluminium
Weight	6.5Kg (approx)
Dimensions (LxWxD)	270x270x155mm
Cable Entries	12 No's 3/4" ET
Glands/ Dummies	Not Provided (Order separately)

Environmental	
Operating Temperature	10 to 50 °C
Humidity	10-95%RH, Non-Condensing

Ordering Information for DPI08M							
DPI08M	X	X	X	X	X	X	X
Model No	Enclosure Type	Analog Input	Digital Output	Communication	Power Supply	Future use	Future use
DPI08M	F – FLP	#1 – RTD/ 4-20mA/0-10V	0 – No	0 – No 1 – RS485-MODBUS RTU	1 – 230V AC	X	X

Note: # Specify the analog I/P type & range.

MECHANICAL DRAWING OF DPI08M

