

MPD590 Multi Channel Scanner/Indicator



Overview

MPD590 is universal process indicator, 48 channels, designed with modern advanced SMT technology and modular, to be designed lower power consumed, high accuracy, universal use, easy operation, to be aimed to display measurement the processes parameters such as temperature, humidity, pressure, flow, vibration etc in various industry application

Feature

- **Dual 4 digit 7 segment LED display, 0.2%FS accuracy**
- **Programmable universal input: T.C., RTD, mA, VDC**
- **Input channels no.: 1,2,.....16 channels**
- Built in thermocouple automatic cold junction compensation
- **Output: 4-20mA, relay, 24VDC auxiliary power supply**
- **RS485/RS232 ,standard MODBUS-RTU protocol**
- Multi channels display in turn or fixed channel display
- Wide power supply: 100-240VAC

Specification

Accuracy	±(0.2%FS+1)digit	Input Type		Measured Range
Sample time	1second when filter=0	RTD	Pt100	-200 to 600°C
Display interval time	1-240 seconds		CU50	-50 to 150°C
Input type	Thermocouple, RTD, mA, VDC	T.C	B	300 to 1800°C
Isolation	Isolated input or not ,optional		E	0 to 800°C
T.C. cold compensation	Built- in auto. Compensation		J	0 to 1000°C
Filter	0-99, programmable		K	-50 to 1300°C
Offset	-99.9 to 9999, programmable		N	0 to 1300°C
Retransmission output	4-20ma output, 2 wire		S	-50 to 1700°C
Relay output	NO, NC, NO+NC, 220VAC/0.8A	Analog	T	-200 to 350°C
Alarm type	HA, -HA, LA, -LA , up to 4 limits		4-20mA	-999 to 9999
Communication	RS485,RS232, standard Modbus-rtu		0-10mA	-999 to 9999
Baud rate	9600 default		0-5VDC	-999 to 9999
Case material	ABS for case and bezel		1-5VDC	-999 to 9999
Terminal	M5 screw terminal	Power supply		100-240VAC; 24VDC
Mounting	Panel mounting	Power consumption		Max. 5W
Size / Net Weight	160x80x100mm(LxWxD)/0.8kg	Working ambient		T:0 to 50°C, H:10%-85%RH(No dew)

Order Code

MPD590universal process indicator, 160x80x105mm							Description
MPD590	-X	-X	-X		-X	-X	MPD590universal process indicator, 160x80x105mm
Channels No.	-24						24 channels input ,universal input
	-32						32 channels input, universal input
	-40						40 channels input, universal input
	-48						48 channels input, universal input
Relay output no.	-1						1 relay output, common or individual for channels
	-2						2 relay output, common or individual for channels
	...						
	-8						8 relay output, common or individual for channels
Relay Output							None,
	NO						Relay output(NO, 30VDC/0.8A,220VAC/0.8A)
	NC						Relay output(NC, 30VDC/0.8A,220VAC/0.8A)
Retransmission output							
		-T					4-20mA retransmission output, 2 wire, 1 channel only
Communication output							None
			-C1				photoelectric- isolated RS485 communication output
			-C2				photoelectric- isolated RS232 communication output
			-P				photoelectric- isolated RS232 print output
Isolation among input channels					-N		None, not isolated inputs for all channels
					-I		Yes, with isolated inputs for all channels
Power Supply					N		100-240VAC
					D		24VDC