

MPT303 Programmable digital pressure switch controller

Model: MPT303

Category:

Range: 0-2000bar

Temperature: -20c~80c~150c~250c

Signal output: PNP, NPN, RELAY, SPDT Switching output

Application: Industrial process measurement and control; Automation detection systems; Hydraulic and pneumatic control systems; Pump stations and water treatment systems; Industrial machinery manufacturing; Water, oil, air and hydraulic pressure measurement

Keywords: , , Digital pressure , ,



MPT303 (1)

Technical specifications	
	-0.1... 0~0.01... ~100MPa
Pressure type	Gauge, absolute, negative
Adjustable pressure range	20%~80%
Analog signal output	Mv/v, 0-5V;0-10V;0.5-4.5V;4~20mA
Digital signal output	RS232, RS485, HART, wireless
Control signal output	PNP, NPN, 1-4 RELAY, SPDT Switching output
Local indication	LCD, LED,
Service life (operations)	>100
Response time	Operating time: 15ms, Release time: 8ms

Operating voltage (V)	24VDC (9~36V)- For 4-20mA and 0-10V; 5VDC-For 0.5-4.5V; 12VDC-For 0-5V; 0-10V
Display	LED,LCD,
Accuracy (%FS)	≤0.1/0.25/0.5%FS
Repeatability (nonlinearity)(%FS)	≤0.1~≤0.2
Zero drift (%FS/4h)	≤0.1~≤0.2
Temperature drift	≤0.01~≤0.02
Long term stability (%FS/year)	≤0.1~≤0.3
Temperature compensation (°C)	-20~+60
Ambient temperature (°C)	-20~+85
Medium temperature (°C)	-20~125
Safe overload (%)	150
Load resistance (Ω)	$R = (U - 12.5) / 0.02 - R_D$ U= , $R_D =$
Response time (ms)	≤1
Medium	Oil, air, water, etc.
Material	1Cr18Ni9Ti or 316SSL
Thread	M: M20×1.5, NPT: 1/8NPT,1/2NPT, G: G1/2 or Custom
Explosion-proof	EXIICT6 OPTION
Waterproof rating	IP65/66/67/68

Pressure switch control solution

• MPT300



- Application: Gas liquid pressure control, liquid level control, filling liquid level control

Product Solution