

Digital pressure transmitter controller Model MDI10

Description

MDI10 digital pressure controller combine pressure measuring, display, control & transmit together. Can be easily installed to measuring pressure at the scene. It can set the zero output, span output, pressure of contact point and control pressure with key at scene.

Application

- Machine tools
- Hydraulics and pneumatics
- Pumps and compressors
- Machine building

Special features

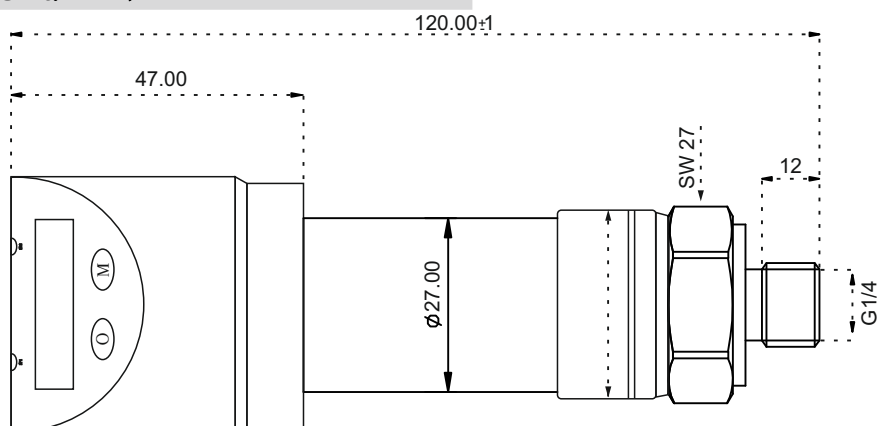
- 4 digit display the current pressure value
- Set on-off point of relay by pressure and delay switch output
- On-off point of relay can be setted arbitrarily between zero and span
- Button and adjust set the various parameters at the scene, easy to operate
- 2-way switching output, with carrying capacity of 1.2A
- Analog output 4~20mA



Specification

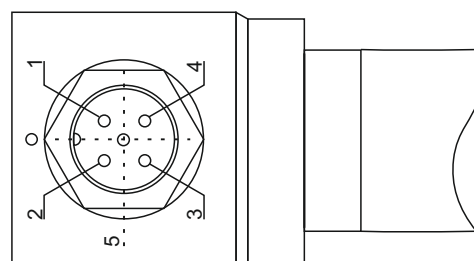
Measurement Range	-0.1 ... 0~100mbar ... 1000bar
Proof pressure	≤1.5X rated pressure
Pressure type	Gauge, absolute ,sealed gauge
Accuracy	± 0.25% (typical)±0.5% (Max.)
Long stability	±0.3%F.S/year
Temperature Error-Zero	±0.03%F.S ≤100KPa ±0.02%F.S (>100KPa)
Temperature Error- Span	±0.03%F.S ≤100KPa ±0.02%F.S (>100KPa)
Temperature Compensation	-10 ~80C
Operating Temperature Range	-30℃ ~80℃
Storage Temperature Range	-40℃ ~125℃
Power supply	24VDC 220VAC
Output signal	Analog output :4 ~20mA;Digital output :RS485
Pressure port	M20×1.5 G1/2 or customize
Relay control	1~ 4 way relay control or electron switch value control
Life of contact point	More than 100000 times
Display	-1999~ 9999
Housing material	1Cr18Ni9Ti stainless steel
Diaphragm material	316L
O-ring	Fluororubber
Cable	Polyethylene
Insulation resistance	100MΩ 100VDC
Protection	IP65

Dimension(Unit: mm)

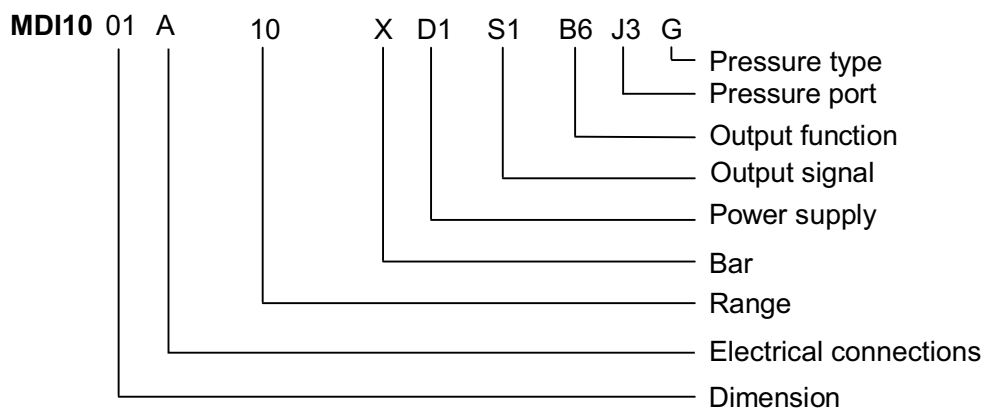


Electric Connection

PIN	COLOR	DEFINITION
1	Brown	+V
2	White	A1 alarm
3	Blue	GND
4	Black	A2 alarm
5	Gray	Signal + OUT



Ordering example : MDI10 01-A-10-X-D1-S1-B6-J3-G



Ordering note

- Media must be compatible with wet part.
- When release order, please mark power supply, accuracy, number of control point and whether need Rs485 interface.
- To ensure the products can work reliably, we suggest that customer install lightning protection device and make sure products & power are earthed.
- Special requirement, such as strong shock, moment vibration, strong electromagnetism, radio frequency interference, please consult us.

Ordering information

MDI10	Intelligent pressure controller							
	Electrical Connection							
	A	Circular connector						
	B	Din connector						
	C	Direct outlet 1.5 meter						
		Range	-0.1 . . . 0 . . . 1000Bar					
		(0-X) Psi or Bar	X: actual range					
			Code	Power supply				
			D1	24VDC				
			D2	220VAC				
					Code	Output signal		
					S1	4~20mADC		
					S2	1~5VDC		
					S3	0~5VDC		
					S4	0~10mADC		
					Code	Output function		
					B5	One-way relay		
					B6	Two-way relay		
					B7	Three-way relay		
					B8	Four-way relay		
					B9	Four-way relay RS485 interface		
					B10	One-way relay switching value output		
					B11	Two-way switch value		
						Code	Pressure port	
						J1	M20×1.5 Male	
						J2	G1/2 Male	
						J3	G1/4 Male	
						J4	others	
						Code	Pressure type	
						G	Gauge pressure	
						A	Absolute pressure	
				S	Sealed gauge			



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