



■ Digital Pressure Switch - Transmitter RP202D

Suitable to Measure, Display & Control Fluid Pressure in the field of Hydropower, Chemical, Water Supply, Petroleum and various other applications.

Salient Features

- High Stability Silicon Piezoresistive Pressure Sensor
- Reference Accuracy up to 0.1%
- Faster & adjustable response time
- 4-20 mADC Output
- 2-Way Switch (NPN, PNP) Compatible
- Button adjustment with One button to Zero, Quick Unit Switch
- 4 digit OLED Pressure Value Display
- IP65 Grade Protection
- Stainless Steel Body & Wetted Material
- Range up to 1,000 bar

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RP202DDigital Pressure Switch - Transmitter

Technical Parameters

Characteristics	Parameter
Medium	Gas, Steam, Liquid
Range	0 – 10 kPa ~ 100 MPa
Overload	150 ~ 300% FS
Accuracy	0.1% & 0.5%
Output	4-20 mADC; 2-Way Switch, NPN, PNP Compatible
Power Supply	14 – 45 VDC; Recommended 24 VDC
Display	4 digit OLED
T _{Ambient}	-25° C ~ +80° C
T _{Storage}	-40° C ~ +100° C
Pressure Connector MOC	SS304
Diaphragm Material MOC	SS316L
Housing MOC	Stainless Steel 304
Insulating Resistance	100 MΩ / 250 VDC
Response time	≤ 20ms
Ingress Protection	IP65
Dimension	Φ34 x 100 mm
Pressure Diaphragm Type	Gauge, Absolute & Sealing
Accessory	Navigation Plug: M12 Five Core Female Cable Connector: 2 m long

RP202D Model Selection Table

10	Range	Pressure Type	Span	Overload %FS	Burst Pressure %FS
	10K	G	0 ~ 10 kPa	300	600
	35K	G	0 ~ 35 kPa	300	600
	70K	G	0 ~ 70 kPa	300	600
	100K	G, A	0 ~ 100 kPa	200	500
	250K	G, A	0 ~ 250 kPa	200	500
	400K	G, A	0 ~ 400 kPa	200	500
	600K	G, A	0 ~ 600 kPa	200	500
	1.0M	G, A	0 ~ 1.0 MPa	200	500
	2.5M	G, S	0 ~ 2.5 MPa	200	500
	6M	S	0 ~ 6 MPa	200	400
	10M	S	0 ~ 10 MPa	200	400
	16M	S	0 ~ 16 MPa	200	400
	25M	S	0 ~ 25 MPa	150	300
	40M	S	0 ~ 40 MPa	150	300
	60M	S	0 ~ 60 MPa	150	300
	100M	S	0 ~ 100 MPa	150	200
20	Pressure Type				
		G	Gauge		
		A	Absolute		
		S	Sealing		
30	Accuracy				
		P1	± 0.5% FS		
		P2	± 0.1% FS		
40	Process Connection				
		C1	M20 x 1.5		
		C2	G1/2 M		
		C3	G1/4 M		
		C5	1/4" NPT M		
		C11	1/2" NPT M		
50	Output				
		A1	Analog 4-20 mA		
		A2	2 Way Switching (PNP/ NPN) Output		
		A3	4-20 mA with Switching		

Disclaimer: Specifications & features are subject to continual improvement as an Organization Policy. RKS reserves the right to make changes to the datasheet and its functions at any time without notice.