



■ Digital Miniature Pressure Transducer RP202C

Compact structure suitable for applications with narrow installation space and designed for embedded applications of equipment & devices.

Salient Features

- Digital circuit compensation
- Reference Accuracy up to 0.5%
- Optional High accuracy model available
- Smaller diameter and easy installation
- Good anti-interference performance
- Suitable for negative pressure applications
- Fast Response Time
- IP65 Grade Protection
- Long Service Life (> 10^7 Pressure Cycles)
- Range up to 600 bar

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RP202CDigital Miniature Pressure Transducer
Technical Parameters

Characteristics	Parameter
Range	-100 kPa ~ 0 - 35kPa ~ 60MPa
Output options	4-20 mAADC/HART/ 0-10 V/ 1-5 V/ 0-5 V/ 0.5 - 4.5 V
Accuracy	0.5%
Repeatability	0.1%FS
Temperature Influence	1.5%FS (-20° C ~ 85° C)
Response Time	< 4 ms
Electrical connections	Direct lead/M12 navigation Plug/Hirschman/Parker Connector
T _{Ambient}	-20° C ~ +80° C
T _{Storage}	-40° C ~ +80° C
T _{Medium}	-30° C ~ +120° C
Diaphragm Material	SS316L; Hastelloy C
Insulation Resistance	≥ 100 MΩ at 500 VDC
Service Life	>10 ⁷ Pressure Cycle
Degrees Of Protection	IP65
Pressure Diaphragm Type	Gauge, Absolute & Sealing
Power Supply	24 VDC (12 ~ 30VDC); 5 VDC

RP202C Model Selection Table											
10	Range	Pressure Type	Span	Overload Pressure (0.1 %)	Overload Pressure (0.25% & 0.5%)						
	K006	G	0~6kPa	300kPa	300kPa						
	K040	G, A	0~40kPa	1MPa	150kPa						
	K100	G	0~100kPa	Not Applicable	400kPa						
	K250	G, A	0~250kPa	2MPa	1MPa						
	M001	G, A	0~1MPa	10MPa	2MPa						
	M003	G, A, S	0~3MPa	10MPa	6MPa						
	M010	G, S	0~10MPa	20MPa	20MPa						
	M040	G	0~40MPa	60MPa	60MPa						
	M060	G	0~60MPa	90MPa	90MPa						
20	Accuracy										
						1	± 0.5% FS				
30	Pressure Type										
							G	Gauge			
							A	Absolute			
							S	Sealing			
40	Power Supply										
							1	24VDC			
							2	5 VDC			
50	Output										
							S1	Analog 4-20 mA			
							S2	485RTU			
							S3	0-10V			
							S4	1-5V			
							S5	0-5V			
							S6	0.5-4.5V			
							SH	4-20mA/HART			
60	Diaphragm Material										
							1	SS316L			
							2	Hastelloy C - 276			
70	Process Connection										
							C01	G1/8(M)			
							C02	G1/4(M)			
							C03	G1/2(M)			
							C04	NPT1/8(M)			
							C05	NPT1/4(M)			
							C06	NPT1/2(M)			
							C07	M20x1.5 (M) Flat Diaphragm			
							C08	Customizable			
80	Electrical Connection										
							J01	Direct Lead Connection			
							J02	M12 Navigation Plug			
							J03	Hirschman Connector			
							J04	Parker Connector			
							J00	Customization			
90	Explosion Proof Protection										
							N	None			
							D	Anti-explosion Exd II BT4			
100	Input Pressure										
							P	Positive Pressure Only			
							N	Negative Pressure			
							C	Compound Pressure (Negative to Positive)			