



PRODUCT OVERVIEW

PRESSURE MEASUREMENT

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P91 Compact Air Compression Pressure Transducer

PROFILE

The P91 pressure transducer owns a compact size. With an imported ceramic core and stainless steel isolated structure used, it provides high accuracy and high stability, especially in wide temperature ranges.

It features wide ranges and various outputs, and is commonly used in HVAC, air conditioning devices, air compressors, refrigeration and other industries and fields. It can be used for most pressure measurement. The product is compliant with high quality standards and passes TUV, CE certification.



CHARACTERISTICS

- ☆ Accuracy: $\leq \pm 1.0\% F.S$
- ☆ Wide working temperature scope
- ☆ Automation temperature compensation
- ☆ Excellent overload, shock and erosion
- ☆ Anti-corrosive diaphragm
- ☆ Suitable for high temperature environment
- ☆ High-frequency dynamic response
- ☆ CE approved

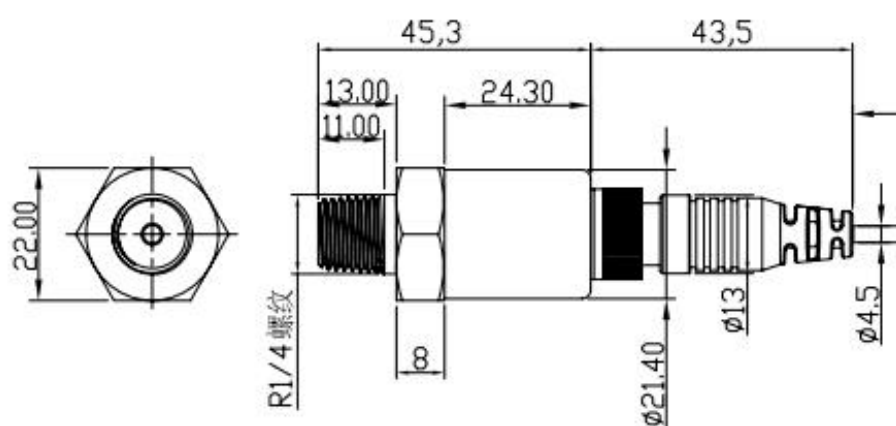
APPLICATION

- ★ Air-conditioner production line
- ★ Refrigeration
- ★ HAVC System
- ★ Reciprocating and turbo compressor
- ★ Centrifugal compressor
- ★ Air compression system
- ★ Energy and water treatment

SPECIFICATIONS

Model Parameter	P91	
Pressure range	-1-10~40 Bar	
Overload	150% F.S	
Burst pressure	200% F.S	
Electronic wire	2 wires	3 Wires
Output	4-20mA	4-20mA
Power supply	10-36 V DC	10-36 VDC
Accuracy	±1.0%F.S	
Stability	0.2%F.S/year	
Medium Temp.	-20 to +80°C	
Working Temp.	-40°C to +85°C	
Temperature compensation	-20°C to +70°C	
Insulate resistance	>100MΩ/50 V DC	
Electronic connection	3 Pin connector	
Pressure connection	G1/4", others on request	
Frequency response	>1kHz	
IP rating	IP67	

DIMENSION AND DRAWING



Unit, mm

ELECTRONIC CONNECTIONS

Electronic Wire Connections

	4-20mA	Red	Power+
		Green	N/A
		Black	Power-
	4-20mA	Red	Power+
		Green	Signal
		Black	Power-

PART NUMBER CODE TABLE FOR PRESSURE RANGE

000	-1-0	016	0-1.5	032	0-10		
001	-1-1	017	0-1.6	033	0-12		
002	-1-9	018	0-1.7	034	0-15		
003	-1-10	019	0-1.8	035	0-16		
004	-1-16	020	0-1.9	036	0-20		
005	-1-20	021	0-2.0	037	0-25		
006	-1-25	022	0-2.1	038	0-30		
007	-1-30	023	0-2.2	039	0-35		
008	-1-35	024	0-2.3	040	0-40		
009	-1-40	025	0-2.5	X	Customized		
010	-1-65	026	0-3				
011	0-0.5	027	0-4				
012	0-1.0	028	0-5				
013	0-1.1	029	0-6				
014	0-1.2	030	0-7				
015	0-1.3	031	0-8				

ORDER INFORMATION

P91 SELECTION	B	5	17	6	036	0	000
Pressure Unit	B=bar M=MPa						
Output	5= 4-20mA(2 wires) 9= 4-20mA(3 wires) X= By Customized						
Power Supply	S51=10-30 V DC X= By Customized						
Process Connection	6=G1/4"male X=By customized						
Pressure Measurement	Refer to <i>PART NUMBER CODE TABLE FOR PRESSURE RANGE</i> on previous page and select your requested range code here.						
Accuracy	0=1%F.S X=By customized						
Cable length	000=Non-cable 040=40cm cable X=By customized						