



# PRODUCT OVERVIEW

# PRESSURE MEASUREMENT

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# Explosion-proof Pressure Sensor with Display P20-CD

## PROFILE

Pressure sensor P20-CD is designed for use in almost all industrial applications, and offers a reliable pressure measurement, even under harsh environmental conditions. It has a big HD LED or LCD display, which enables to read value locally, easy for use. The housing is made of cast aluminum that has high shock-resistance and vibration-resistance function. It can survive in the most extreme conditions.

This industrial pressure sensor can output industry standard 4-20mA signal and other signals after linear compensation, signal amplification, reverse polarity protection, pressure allergy current limiting and other signal processing. It can work stably in high temperature, high humidity or severe cold area for a long time. The influence of ambient temperature is small.



## CHARACTERISTICS

- ☆ HD LCD/LED display
- ☆ Accuracy:  $\leq \pm 0.5\%F.S.$
- ☆ High stability and reliability
- ☆ Strong anti-interference performance
- ☆ Wide measurement range
- ☆ CE certificate approved
- ☆ Compliant with ROHS standard

## APPLICATIONS

- ☆ Industrial automation control
- ☆ Process control
- ☆ Petrochemical industry
- ☆ Water treatment
- ☆ Hydrology, agriculture
- ☆ Food Industry
- ☆ Biomedical

SPECIFICATIONS

Model	P20-CD				
Parameter					
Pressure Range	-1~0-0.1 bar ...1000bar optional				
Overload	200% F.S.(≤100bar); 150% F.S.(≤400bar); 120% F.S.(1000bar);				
Burst Pressure	500% F.S.(≤100bar); 300% F.S.(≤400bar); 150% F.S.(1000bar);				
Electronic Wire	2-wire	3-wire			4-wire
Output	4~20mA	0~5V	0~10V	1~5V	RS485
Power Supply	15-30 V DC	12-30 V DC	12-30 V DC	12-30 V DC	5-30 V DC
Accuracy	0.5%F.S (Typical); 0.25%F.S(by customized)				
Long Stability	≤ ±0.15 % of span/year				
Working Temp.	-40°C~85°C or -40~125°C (by customized)				
Storage Temp.	-40°C~125°C				
Process Connection	G1/4", 1/8"NPT; M20*1.5 or by customized				
IP Rating	IP65				

PART NUMBER CODE TABLE FOR PRESSURE RANGE

000	-1-0	016	0-1.5	032	0-10	048	0-125
001	-1-1	017	0-1.6	033	0-12	049	0-150
002	-1-9	018	0-1.7	034	0-15	050	0-200
003	-1-10	019	0-1.8	035	0-16	051	0-250
004	-1-16	020	0-1.9	036	0-20	052	0-300
005	-1-20	021	0-2.0	037	0-25	053	0-350
006	-1-25	022	0-2.1	038	0-30	054	0-400
007	-1-30	023	0-2.2	039	0-35	055	0-450
008	-1-35	024	0-2.3	040	0-40	056	0-500
009	-1-40	025	0-2.5	041	0-50	057	0-600
010	-1-65	026	0-3	042	0-60	058	0-700
011	0-0.5	027	0-4	043	0-65	059	0-800
012	0-1.0	028	0-5	044	0-70	060	0-1000
013	0-1.1	029	0-6	045	0-80	X	Customized
014	0-1.2	030	0-7	046	0-90		
015	0-1.3	031	0-8	047	0-100		

ORDER INFORMATION

<b>P20CD</b>		<b>1</b>	<b>E5</b>	<b>6</b>	<b>012</b>	<b>B</b>	<b>1</b>	<b>1</b>	<b>S9</b>	<b>G</b>
<b>Selection</b>										
Electronic Connection	1=With LCD Display 2=With LED Display (4-1/2bits)									
Output	E5= 4-20mA    E6=0-5V    E7=0-10V E11=RS485    E0=1-5V X=By Customized									
Pressure connection	10=1/2" NPT male    6=G1/4" male 9=G1/2" male        8= M20x1.5 male X=By Customized									
Pressure Measurement	Refer to PART NUMBER CODE TABLE FOR RESSURE RANGE on previous page and select your requested range code here.									
Pressure Unit	B=Bar    P=Psi    K=KPa    M=MPa    H=mH2O									
Accuracy	2=0.25%F.S(by customized)    1=0.5%F.S (Typical)									
Cable length	0=Non-Cable    1=Cable 1M    ...    X=By Customized									
Power supply	S9=15-30 V DC    S10=12-30 V DC    S35=5-30 V DC									
Pressure type	G=Gage    A=Absolute    N=Negative									

**Part NO.**

P20CDE56012B11S10G