

Универсальные датчики давления Р20

Технические характеристики

По вопросам продаж и поддержки обращайтесь:

Алматы (7273)495-231	Казань (843)206-01-48	Новокузнецк (3843)20-46-81	Смоленск (4812)29-41-54
Архангельск (8182)63-90-72	Калининград (4012)72-03-81	Новосибирск (383)227-86-73	Сочи (862)225-72-31
Астрахань (8512)99-46-04	Калуга (4842)92-23-67	Омск (3812)21-46-40	Ставрополь (8652)20-65-13
Барнаул (3852)73-04-60	Кемерово (3842)65-04-62	Орел (4862)44-53-42	Сургут (3462)77-98-35
Белгород (4722)40-23-64	Киров (8332)68-02-04	Оренбург (3532)37-68-04	Тверь (4822)63-31-35
Брянск (4832)59-03-52	Краснодар (861)203-40-90	Пенза (8412)22-31-16	Томск (3822)98-41-53
Владивосток (423)249-28-31	Красноярск (391)204-63-61	Пермь (342)205-81-47	Тула (4872)74-02-29
Волгоград (844)278-03-48	Курск (4712)77-13-04	Ростов-на-Дону (863)308-18-15	Тюмень (3452)66-21-18
Вологда (8172)26-41-59	Липецк (4742)52-20-81	Рязань (4912)46-61-64	Ульяновск (8422)24-23-59
Воронеж (473)204-51-73	Магнитогорск (3519)55-03-13	Самара (846)206-03-16	Уфа (347)229-48-12
Екатеринбург (343)384-55-89	Москва (495)268-04-70	Санкт-Петербург (812)309-46-40	Хабаровск (4212)92-98-04
Иваново (4932)77-34-06	Мурманск (8152)59-64-93	Саратов (845)249-38-78	Челябинск (351)202-03-61
Ижевск (3412)26-03-58	Набережные Челны (8552)20-53-41	Севастополь (8692)22-31-93	Череповец (8202)49-02-64
Иркутск (395)279-98-46	Нижний Новгород (831)429-08-12	Симферополь (3652)67-13-56	Ярославль (4852)69-52-93
Россия (495)268-04-70	Киргизия (996)312-96-26-47	Казахстан (7172)727-132	

P20 Universal Pressure Sensor

Universal pressure sensor is suitable for most pressure conditions. The high-quality piezoresistive pressure sensor and the range of -1-600 bar can be applied to other industrial pressure applications such as hydraulic control, pipeline pressure monitoring or automatic pressure detection.



FEATURE:

- Fully welded stainless steel housing is used for most medium pressure measurement.
- The high-performance piezoresistive core can handle millions of pressure control applications.
- It is equipped with EMC and EMI pressure protection system and can be used in harsh working conditions such as high and low pressure.
- Low-cost maintenance and free technical support.

PARAMETER:

Parameter	P20
Pressure Range:	-1 Bar-1 Bar; 0-0.1Bar.....600 Bar / 0-2 Psi...15000 Psi Optional
Pressure Type:	Gauge pressure; Absolute pressure; Sealed gauge pressure; Negative pressure optional.
Safe Overload:	200% F.S.(standard)
Burst Pressure:	300% F.S. (standard)
Accuracy: (Linearity Hysteresis Repeatability)	$\leq \pm 0.5\%F.S$; $\leq \pm 0.25\%F.S$ $\leq \pm 0.1\%F.S$ (Customized) Including non-lin., rep. and hys. Optional
Total Error Band:	0...50 °C max. $\pm 0.5\%FS$; -10...70 °C max. $\pm 1.0\%FS$

Long Stability:	Standard: 0.1%F.S±0.05%				
Working/Storage Temp:	-30°C~85°C				
Tempe compensation:	-10°C~60°C(standard); -20°C~60°C; -20°C~80°C(customized)				
Medium compatible:	Compatible with 316 Stainless Steel or 1Cr18Ni9Ti stainless steel				
Electronic Wire:	2 Wires	3 or 4 Wires	3 Wires	4 Wires	4 Wires
Output:	4~20mA	4-20 mA or Double 4-20mA	0~5V ,1~5V, 0-10V	RS485	4~20mA +Temp (Ω)
Power Supply:	12~36 Vdc	12~36 Vdc	8~36Vdc/15-36Vdc	10~30 Vdc	12~36 Vdc
Load Resistance:	(U-10)/0.02 (Ω)	Current type: (U-10)/0.02 (Ω); Voltage type: > 100K Ω			
Insulate resistance:	>100M Ω @100V dc				
Zero Temp. Drift:	0.03%FS/°C (≤100kPa) , 0.02%FS/°C (>100kPa)				
Body materials:	316 stainless steel (standard); 1Cr18Ni9Ti stainless steel optional				
Material of diaphragm:	316L Stainless steel				
Filling oil:	Silicon oil (standard); Fluorocarbon oil (Oxygen Services)				
Electronic connection:	-DIN43650 Hirschman Connector, 4-poles and IP65. -Plug: M12 (4-poles) Type IP67; -Directly Outlet Cable Type IP68 optional.				
Limiting Frequency:	1 kHz				
Mechanical vibration:	±20g				
Pressure connect port:	G1/4”male, G1/2”male, 1/8”NPT male, 1/4”NPT male, 1/2”NPT male and female optional. (by customized)				
Dimension:	Please refer to the dimension and drawings part.				
Water Proof:	IP65				
Response time:	≤1ms				
Endurance:	> 100 million cycles, 0...100 %FS at 25°C				
Options:	Pressure Connection, Electrical Connection Others on request.				



Mac sensor product

Universal Industrial pressure transmitter

The P20 series pressure transmitter use high quality imported piezoresistive pressure sensor with isolated stainless steel diaphragm . High reliable and stable performance ,Strong anti-interference ability , the transmission distance away . Widely used in various industrial automatic control enviroment ,involved in water conservancy and hydropower ,intelligent building ,production control, petrochemical ,oil , electric power ,pipeline and many other industries.



P20H Universal type Industrial pressure transmitter

- ☆ Pressure range: -1~1bar.....1000 bar options
 - ☆ Output : 4~20mA,0~5V/0~10V ,Hart protocol
 - ☆ Power supply: +12VDC~+30VDC
 - ☆ Pressure port: G1/4", 1/8"NPT, M20*1.5 or by customized
 - ☆ Accuracy : 0.15%F.S; 0.25%F.S; 0.5%F.S optional
 - ☆ Working temperature: -40°C~+125°C
 - ☆ Certificate: CE,Exiall CT6 Ga ,ATEX,RoHS
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P20M Universal type Industrial pressure transmitter

- ☆ Pressure range: -1~1 bar.....1000 bar optional
 - ☆ Output : 4~20mA, 0~5V/0~10V ,4-20mA with Hart protocol
 - ☆ Power supply: +12VDC~+36VDC
 - ☆ Pressure port: G1/4", 1/8"NPT, M20*1.5 or by customized
 - ☆ Accuracy : 0.15%F.S; 0.25%F.S; 0.5%F.S optional
 - ☆ Working temperature: -40°C~+125°C
 - ☆ Certificate: CE,Excia CT6 Ga ,ATEX,RoSH
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P20HT Industrial High temperature pressure transmitter

- ☆ Pressure range: 0~1 bar...2000 bar optional
 - ☆ Output : 4~20mA ,0~5V/1~5V/0.5~4.5V
 - ☆ Power supply: +12VDC~+36VDC
 - ☆ Pressure port: M20X1.5 male or by customized
 - ☆ Accuracy : 0.25%F.S; 0.5%F.S optional
 - ☆ Working temperature: -60°C~+200°C
 - ☆ Certificate: CE,Excia CT6 Ga ,ATEX,RoSH
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Mac sensor product



P20-G LED indicator pressure transmitter

- ☆ Pressure range: -1~0 bar~0.05 bar.....1000 bar optional
 - ☆ Output : 4~20mA,0~5V/1-5V
 - ☆ Power supply: +12VDC~+36VDC
 - ☆ Pressure port: G1/2"male or by customized
 - ☆ Accuracy : 0.25%F.S; 0.5%F.S optional
 - ☆ Working temperature: -30°C~+150°C
 - ☆ Certificate: CE,Excia CT6 Ga ,ATEX,RoSH
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P40 Economic Pressure Sensor for Universal Application

- ☆ Pressure range: 0~2bar...100 bar optional
- ☆ Output : 0.5-4.5V/1-5V
- ☆ Power supply: 8~25VDC/5V DC
- ☆ Pressure port: G1/4-19,G1/8-28 or 1/4"NPT by customized
- ☆ Electronic connector: Packard 3pins
- ☆ Accuracy : 1.5%F.S
- ☆ Working temperature: 0°C~+90°C

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