



CO₂压力传感器

CO₂ pressure sensor

ACCP 系列陶瓷电容压力传感器是 AMPRON 公司采用陶瓷材料经特殊工艺精制而成的干式陶瓷电容压力传感器，陶瓷是一种公认的高弹性、抗腐蚀、抗磨损、抗冲击和振动的材料。陶瓷的热稳定特性可以使它的工作温度范围高达 -40°C ~ 135°C ，而且具有测量的高精度、高稳定性。其抗过载能力最高可达量程 100 倍，彻底解决了其他类型传感器在小量程时过载能力差的缺点，它除具有一般传感器的量程外，其最具特色的是它的正负表压功能，如： $\pm 10\text{kpa}$ ， $\pm 1\text{kpa}$ 等。利用陶瓷电容式压力传感器具有的高输出、广量程特点，其特别适合制造高性能的工业控制用压力变送器。

AMPRON 陶瓷电容式压力传感器集成了厚膜、薄膜、低温共烧等多种同国内外领先材料及生产工艺，综合 AMPRON 十余年积累的多项陶瓷工艺技术成果。

ACCP serial pressure sensor is researched and developed by AMPRON, refined from ceramic material and adopted special technology process. Which is a dry-type ceramic capacitive pressure sensor.

As known to all, ceramic is a material with excellent elasticity, erosion resistance and antifraying, vibration and shock resistance, it's working temperature range is up to -40°C ~ 135°C due to it's excellent thermal stability. Besides, it is of high measurement accuracy and stability, the anti-overload ability reached up to 100 times of it's measurement range, which solved the bad anti-overload problem of other pressure sensor at a small measure range. What's more, what's most distinctive is ACCP sensor's positive & negative gage pressure function,

产品特点 FEATURES

- 测量精度高，能够精确测量啤酒桶内充填 CO₂ 压力大小，亦可测量量程范围内的其它其它，液体压力；Excellent accuracy, capable for measuring beer barrel pressure and other fluid pressure in the range.
- 根据客户选择，有 PWM 或电压输出接口形式；PWM and Voltage output connector for customer's option
- 陶瓷电容结构，响应速度快，对测量介质兼容性好。Ceramic capacitive structure, fast response, excellent medium compatibility.

产品应用 APPLICATION

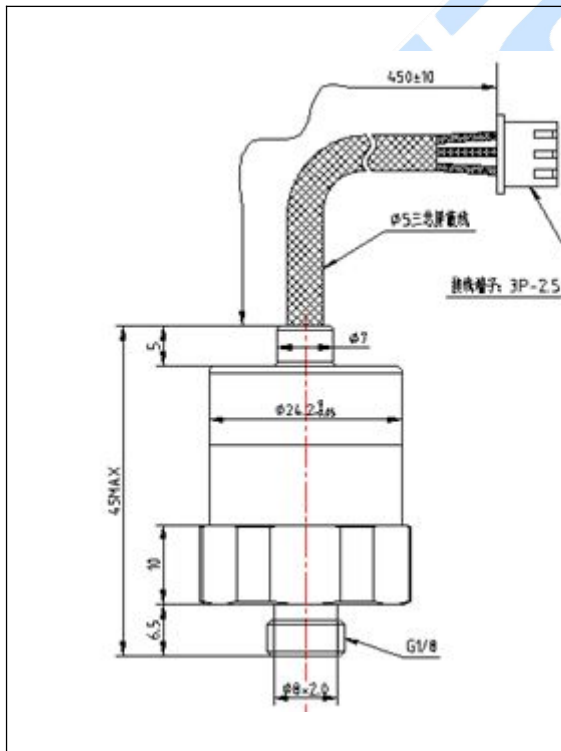
- 汽车
automotive
- 家电
house appliance
- 空压机，制冷机
air compressor,
refrigerator

such as : $\pm 10\text{kpa}$, $\pm 1\text{kpa}$ and so on. The ACCP sensor is particularly suitable for industrial control pressure transmitter due to its characteristic such as high output, wide measurement range and so on.

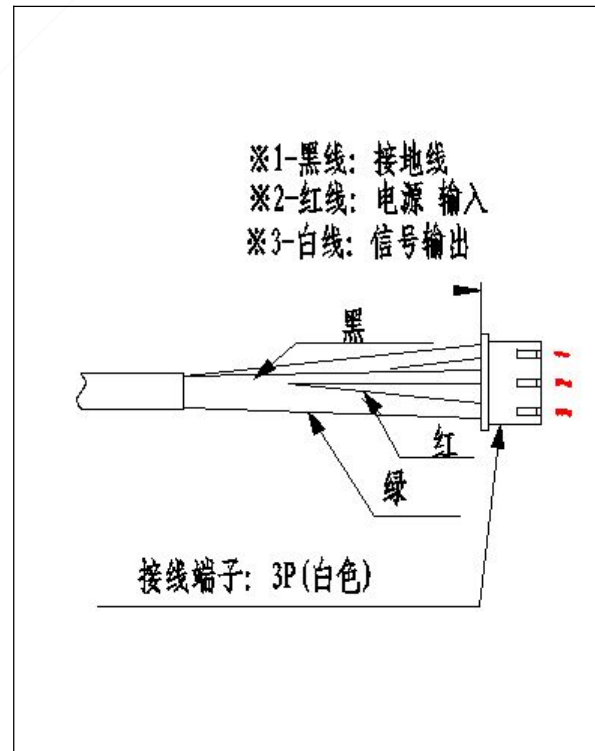
AMPRON ceramic capacitive pressure sensor integrates various advanced material technology home and abroad such as thick film, thin film ,LTCC technology and so on. It's a great technological achievement synthesizing 10 years' ceramic technology accumulated by AMPRON.

工作参数	parameters	
工作压力	pressure range	0 ~ 0.5MPa
最大压力	max pressure	0.75MPa
破损压力	broken pressure	1MPa
工作温度	working temperature	-20 ~ +100℃
工作介质	medium	C02
电源电压	supply voltage	5VDC
输出电压	output voltage	0.5 ~ 4.5VDC
精度范围	accuracy	$\pm 3\%FS$, $\pm 2\%$

产品结构图 structure



产品接线示意图 wiring



注: 可依客户的实际要求进行定制生产 customization is available