CSPPM

CHANGSHA TAIHE ELECTRONIC EQUIPMENT CO,.LTD.

Pressure Sensor | Temperature Sensor | Liquid Level Sensor | Load Cell | Smart Instruments

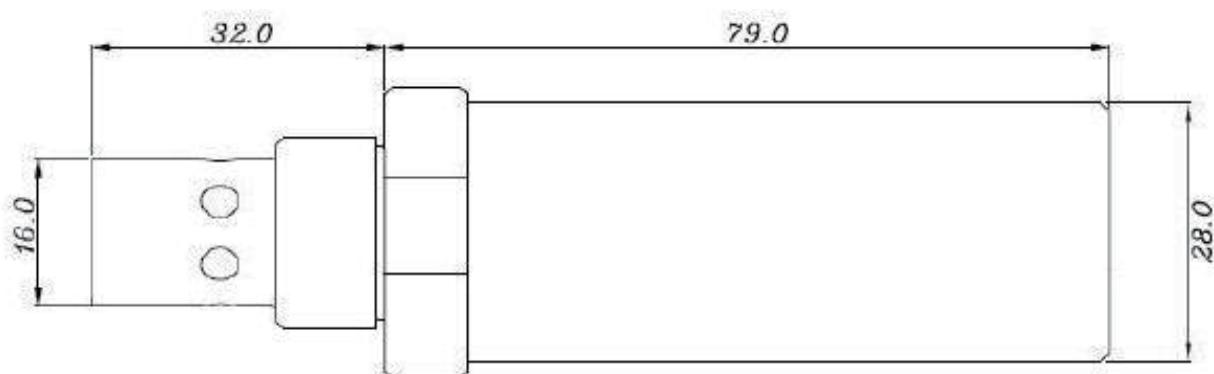Position sensor |Torque | Internet of Things

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Years of experience in sensor R&D,
manufacturing and production

Provide one-stop customization services
for various sensors

CSPPM

PPM-HLF-2
Online Oil Quality Sensor

Product Introduction

PPM-HLF-2 is especially designed for online monitoring oil quality. With special measuring technology adopted, the sensor is extremely sensitive to oil quality changes and able to real-time measure different kinds of oil. The PPM-HLF-2 will help you decrease failure of equipment and protect the equipment.

Measuring medium: Lubricating oil, hydraulic oil, gasoline, diesel oil, aviation fuel, kerosene, ethanol, printing ink, paint.

Features

◆ High sensitive to various kinds of pollution in oil.

◆ High resolution up to 10-15

◆ Worldwide business and technical certification such as CE, ASTM1657.

◆ Long service life more than 10 years.

Applications

◆ Food processing, Laboratory, Fuel storage and transportation.

◆ Oil field, wind power, thermal power;

◆ Drilling platform, engineering machinery, truck, Oil filtration system.

◆ Printing industry, Medical equipment.

CSPPM

Specification

Oil Quality	1~6
Accuracy	±3%
Oil Temperature	-40~120ºC
Accuracy	0.3ºC
Measuring Oil	Most of Mineral oil, Synthetic oil, Semi synthetic oil
Measuring Parameter	Oxidizing agent, water, impurity, acid value, base number, Wear particle, viscosity change, oil temperature
Signal Output	4~20mA, RS485, CAN (optional)
Power Supply	12~28VDC, <20mA load current
Pressure Range	<10bar
Operating Temperature	-40~85ºC
Process Connection	G1/2" BSP
Electric Connection	M8*1, 6 core
Cable	6 core, 2m, UL20866, 6*22AWG
EMC	EN 61000-6-4: 2007EN 61000-6-2:2005
Housing Material	Stainless steel 316
Ingress Protection	IP66
Weight	0.25kg

Wiring Diagram

1) Red   +24V DC
2) White RS485A
3) Black GND
4) Green RS485B
5) Yellow 4~20mA ch1
6) Pink   4~20mA ch2
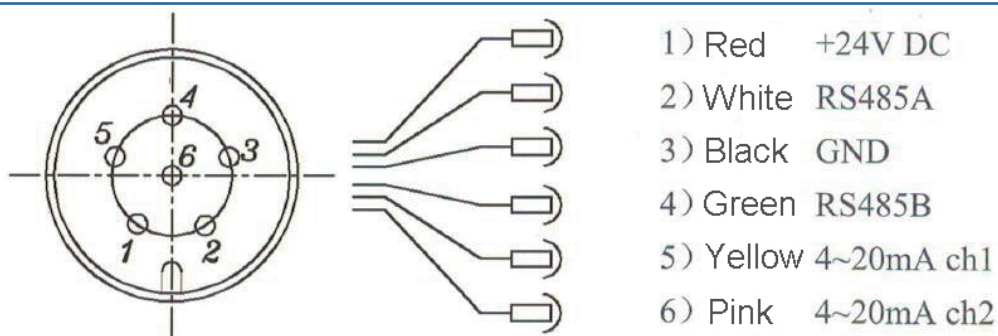
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