

# CHANGSHA TAIHE ELECTRONIC EQUIPMENT CO.,LTD.

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

Position sensor | Torque | Internet of Things



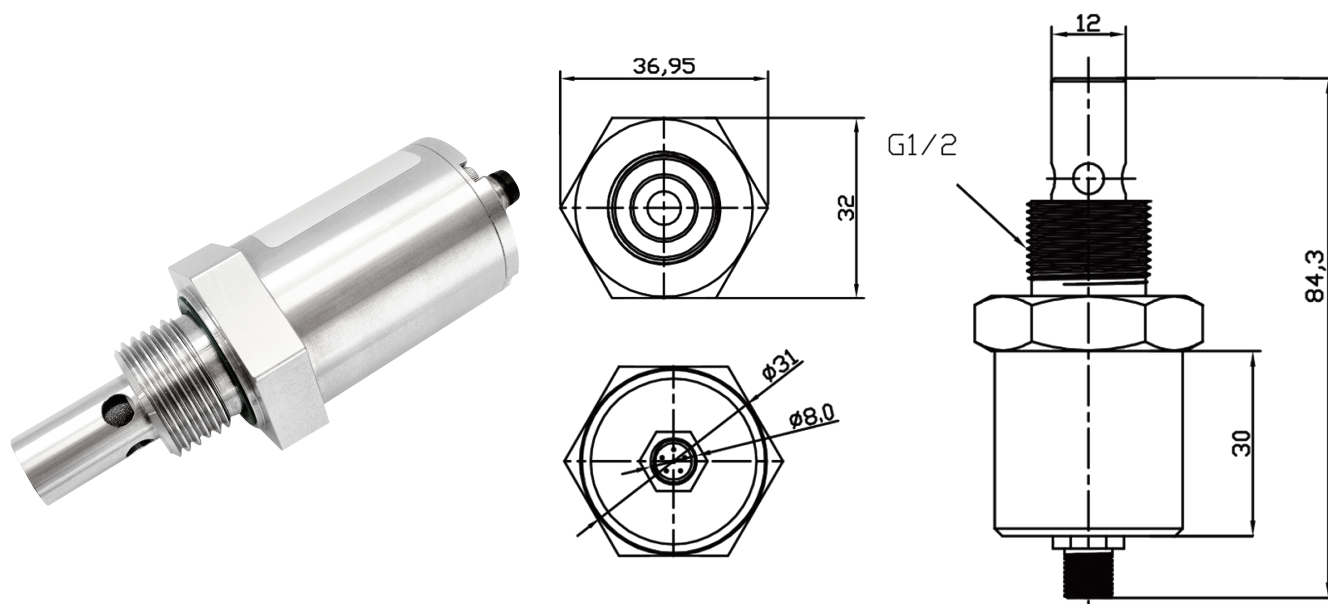
## 16

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

Provide one-stop customization services  
for various sensors

## PPM-HLW-2B

### Online Water Content Sensor



### Product Introduction

The PPM-HLW-2B is especially designed for online measurement of moisture content in oil. With advanced technology, the PPM-HLW-2B is very sensitive to moisture content in oil and it is able to real time monitor the water content in oil online.

Measuring oil: lubricant oil, hydraulic oil, engine oil, fuel, insulating oil, turbine oil, etc.

### Features

- ◆ The ability to measure dissolved water, free water, emulsified water.
- ◆ High sensitivity to water content.
- ◆ Special grounding technology adopted, high reliability and stability.
- ◆ Well-designed probe structure, easy to clean.

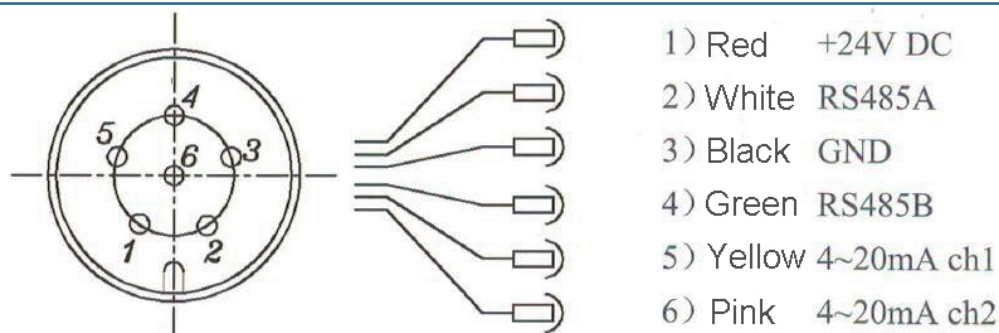
### Applications

- ◆ Oil field, petroleum refining, oil storage warehouse, gas station.
- ◆ Wind power, hydropower, thermal power, transformer substation.
- ◆ Engineering machinery, vehicle, railway locomotive.
- ◆ Steel, metallurgy, industrial production line.
- ◆ Aviation, ship machinery.

## Specification

Moisture Content Range	0~5%, 0~10%, 0~20%
Accuracy	0.3%(typical), 0.5%
Resolution	0.1%
Temperature Range	-40~120°C
Accuracy	0.3%(typical), 0.5%
Resolution	0.1%
Output Signal	Digital signal: RS485 Analog signal: 4~20mA alternative
Power Supply	9~28VDC, load current < 5mA
Pressure Range	< 100bar
Operating Temperature	-40~85°C
Oil Temperature	-40~120°C
Process Connection	G1/2" BSP
Electric Connection	M8*1, 6 core cable
Cable	6 core, 2m, UL20866, 6*22AWG
EMC	EN 61000-6-4:2007, EN 61000-6-2:2005
Housing Material	S316L
Ingress Protection	IP66
Weight	0.25kg

## Wiring Diagram



## CONTACT US

[www.cspmsensor.com](http://www.cspmsensor.com)

**Address:** No. 188, Huanbao Road, Yuhua Zone, Changsha, Hunan, China

**E-mail:** [info@cspmm.com](mailto:info@cspmm.com)

**Mobile | Wechat | WhatsApp:** +86 19118913383