

# CHANGSHA TAIHE ELECTRONIC EQUIPMENT CO.,LTD.

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

Position sensor | Torque | Internet of Things



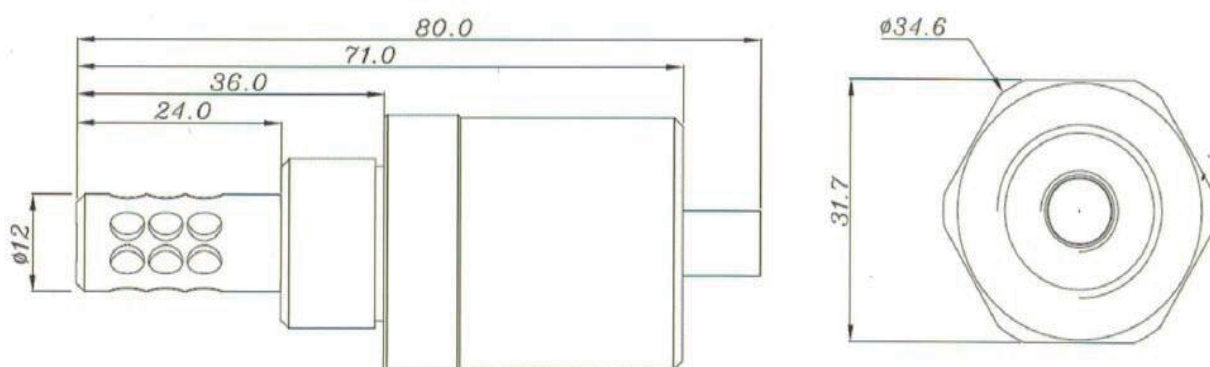
## 16

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

Provide one-stop customization services  
for various sensors

## PPM-HLW-2A

### Online Micro Water Sensor for Oil



#### Product Introduction

The PPM-HLW-2A adopts advanced water content sensitive element and temperature sensitive element, it can measuring water content, water activity and temperature in harsh environment continuously, accurately, fast.

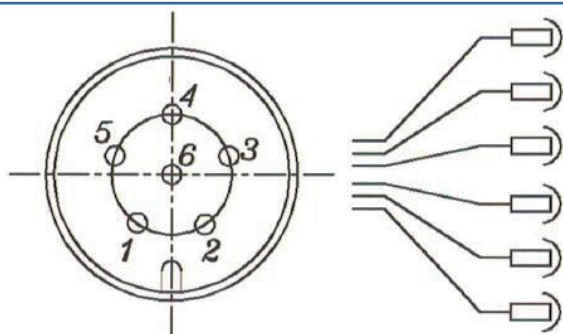
Measuring oil: lubricant oil, hydraulic oil, engine oil, fuel, insulating oil, turbine oil, etc.

#### Features

- ◆ Measuring water activity of oil fast and continuously;
- ◆ Measuring water content accurately;
- ◆ High stability in harsh area;
- ◆ Small in size.



#### 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

## Specification

### Water Activity

Measuring Range	0~1 aw
Accuracy	0~0.6±0.02 aw 0.6~0.9±0.03 aw 0.9~1±0.04aw
Response Time	< 1 min

### Water Content

Measuring Range	0~2000ppm
Measurement Accuracy	±10%

### Temperature

Measuring Range	-40~+80°C
Accuracy	±0.2°C
Operating Temperature	-40~+60°C
Storage Temperature	-40~+80°C
Oil Temperature Permitted	-40~+120°C

### Output Signal

Digital Output Signal	RS485 MODBUS, RS232 available
Analog Output Signal	4~20mA, 0~20mA resistance load < 500Ω

### Others

Process Connection	G1/2" ISO, 1/2" NPT
Pressure Range	100 bar
Material	Stainless Steel 316L
Ingress Protection	IP66
Power Supply	9~36V DC, load current < 5mA
Weight	200g
Electric Connection	M8*1, 6 core cable, 2m
Certification	CE, EN61326 EN61326-2-3 ICES-003B

## CONTACT US

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