

## CHANGSHA TAIHE ELECTRONIC EQUIPMENT CO.,LTD.

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

Position sensor | Torque | Internet of Things



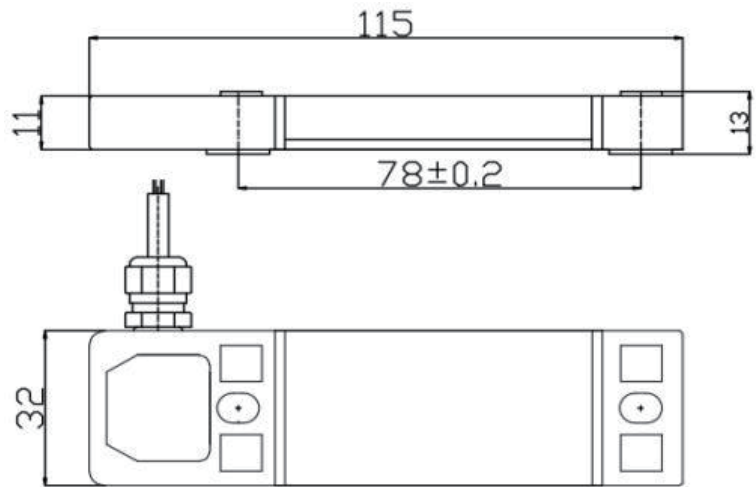
# 16

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

Provide one-stop customization services  
for various sensors

## PPM-YB-3000

### Strain Sensor



### Product Introduction

The product with high-quality aviation aluminum and high-precision resistance strain gauges, it's processed by high-low temperature aging and thousands of pressure fatigue test treatments, and outputs mV signals.

A:Housing, Material, Aluminium Alloy B:Surface treatment, anodizing (black)

C: High stability, low temperature of product

D: Easy installation and maintenance

E: Electrical connections, Gasket lock, Ingress protection IP65

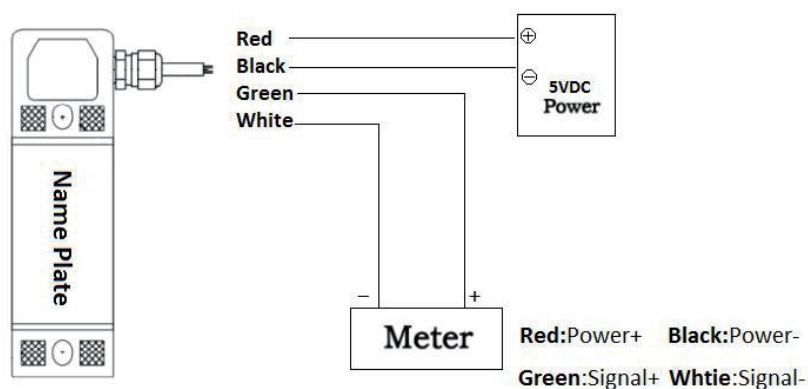
### Applications

Bridge, dam, road and other steel structure or concrete surface stress measurement, measurement of linear deformation and stress of installation points.

## Technical Parameters

Measuring Type	Micro strain, linear deformation
Measuring Range	$\pm 3000\mu\epsilon$
Power Supply	5VDC
Output Signal	mv
Nonlinearity	$\leq 0.015\%FS$
Repeatability	$\leq 0.02\%FS$
Accuracy	Accuracy error: $\leq 2\%FS$
Long-term Stability	$\leq 0.5\%FS/Year$
Operation Temp	$-25^{\circ}C \sim 85^{\circ}C$
Zero Temp. Drift	$\leq 0.3\%FS$
FS Temp. Drift	$\leq 0.3\%FS$
Response Time	$< 3ms$
Output Impedance	$350\Omega$ , $1K\Omega$
Insulation Resistance	$>1000M\Omega/100VDC$
Overpressure	$120\%FS$
Damage Pressure	$>300FS$
Materials	7075Aluminium Alloy
Ingress Protection	IP65
Electrical Connections	Cable connection

## Definition of Wiring



## CONTACT US

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