

# Energom-ZP-02

## Head mounted Temperature transducer

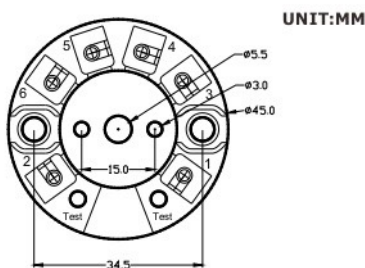
### Description

The Energom-ZP series Temperature Transmitter is designed to meet common Single Point measurement application requirements. This transmitter can easily work with a variety of sensors (RTDs and thermocouples) and thermowells. It provided in a head mount configuration suitable for installation in a wide variety of connection heads and housings. A PC-programmable interface is available, providing an easy-to-use configuration method from any PC.

### Features

- Support variety of sensors:  
TC(K,E,S,B,R,J,T,N);  
RTD (PT100,PT200,PT500,PT1000,Cu50);  
R(0-400Ω,0-4000Ω)  
mV(-80+80mV)
- Input 2, 3, 4 wire RTDs, thermocouple, millivolt, ohm
- Support programmable setting
- Current output can be set inverse ratio output
- Input/output isolation tested to 500 Vac rms
- Less than 1 seconds update time
- Less than 5sec response time for sensor short/fusing alarm
- Custom alarm and saturation levels

### Dimension



### Technical characteristics

#### Power supply:

Power Supply	8VDC~30VDC
Min. Working Voltage	8.5VDC

#### Measurement:

Output signal types	4-20mA / 20-4mA
Response Time	< 1S (0-90%,100%±10%)
Precision	±0.05%
Temp. Drift	0.01% per Celsius
Volt fluctuation influence	±0.005% X span / below V DC

#### Cold junction compensation:

Internal CJC	±1C
External CJC	PT100

#### Isolation:

Insulation Resistor	> 100MΩ / DC500V between the input / output
Isolation Strength	AC1500v 1min between the input / output
Broken Alarm Detecting	act in 5μA

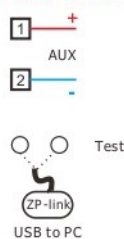
#### Input signal:

Load Capacity	RL=(U-8.0v) / 0.022A
Input Detecting Current	0.2mA(2w/3w/4w)
Input impedance	>5M ohm

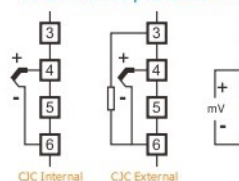
#### Other:

Ambient Temp. / Humi.	-40 ~ 85 C / ≅95% RH
Calibrating Ambient Temp.	25±2 C
Dimensions	Φ45mm x 20mm
Terminal Wiring Way	Screw
Comm Interface	Double pins interfaces

#### Power & COMM



#### Thermocouple & volt input



#### Thermal resistance

