

## 【WP6210 series thermo-resistance temperature transmitter】

### ➤ Product outline

WP6210 series thermo-resistive temperature transmitter is a kind of module structure guide way type instrument. which transfer the variation of thermo-resistance into linearly relative to the temperature (4~20) mA DC or (1~5) V DC isolation signal output.

### > Main technical parameter

Input signal            Pt 10, Pt 100 Cu 50, Cu 100 thermo-resistance

Output signal        (4~20) mA DC or (1~5) V DC

Load resistance    ≤500 Ω when output (4 ~20) mA DC  
                          ≥250KΩ when output (1~5) V DC

Input lead resistance influence    every line resistance ≤5Ω (three -line equal)

Accuracy            0.5 class

Common mode interference       < 5 mV when 50 Hz

Response time      < 1 s

Isolation            isolates each other between input, output power

Power source        24V DC±2V

Power consumption < 1.5 W

Ambient temperature 0~50℃

Environmental atmosphere (86~110) KPa

Relative temperature < 90% (without condensate)

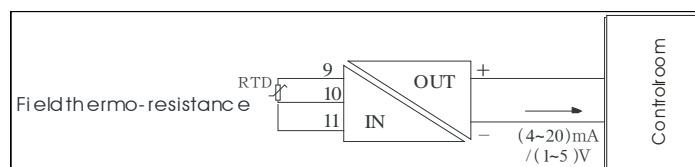
Insulation resistance: ≥100 MΩ between power source, input, output terminal

Insulation strength: when apply 500 V AC for 1 minute, between power source, input, output terminal, no arcing, no breakdown

Weight              approximately 150 g

Maintenance        the instrument can be changed in the installation distributing line state

### > Schematic diagram of function



### > Option

Model	Dividing number	Measuring range °C	Output signal	Channel number	Remarks
WP6211	Cu 50	0~150	(4~20) mA/(1~5) V DC	One -in one-out	Output approves (4~20) mA when out of factory, if need (1~5) V please explain while ordering
WP6212	Cu 100	0~150	(4~20) mA/(1~5) V DC		
WP6213	Pt 10	-200~500	(4~20) mA/(1~5) V DC		
WP6214	Pt 100	-200~600	(4~20) mA/(1~5) V DC		
WP6215	Cu 50	0~150	(4~20) mA/(1~5) V DC	One-in two-out	
WP6216	Cu 100	0~150	(4~20) mA/(1~5) V DC		
WP6217	Pt 10	-200~500	(4~20) mA/(1~5) V DC		
WP6218	Pt 100	-200~600	(4~20) mA/(1~5) V DC		

Note: when ordering must mark the scope of measuring range while ordering (can any choice in the scope)

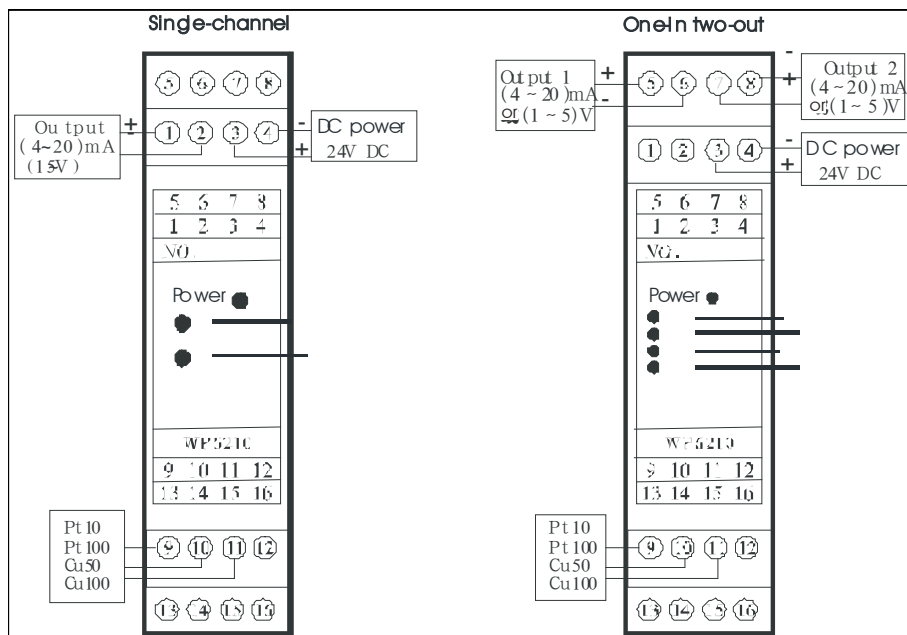
Ordering guide:

If user need thermo-resistance Pt 100 type, then temperature scope of temperature transmitter 0~

200°C

Order model: WP6214 (Pt 100 0~200°C)

> **Wiring diagram**



> **Outline dimension**

Outline dimension: 114.5×99×22.5 (height × width ×depth mm)

Installation: 35 mm DIN guide-way type install