

TEP-AI/U Series AC Current/Voltage Transmitter

- TEP-AI/U AC current/voltage transmitter is used to isolate and convert AC signals from AC transformers into standard process current/voltage signals to control rooms, PLCs, DCS, and display instruments.
- Internally, efficient magnetoelectric isolation technology is used, with input, output, and power sources isolated from each other, and strong anti-interference ability. It has the characteristics of high accuracy, high linearity, and polar temperature drift.
- DIN rail independent installation method.

SELECTION TABLE				
TEP-AI/U	X	X	X	Instructions
Channel	1			1 IN 1 OUT
	2			1 IN 2 OUT
	5			2 IN 2 OUT
Input Signal	A			0-1A
	B			0-5A
	C			0-100V
	D			0-300V
	E			0-500V
	F			Customized
Output Signal	1			4-20mA
	2			0-20mA
	4			0-5V
	6			0-10V

Note: Customers need to determine the input signal form and output signal form when placing an order. If there are special needs, they can customize it

Product Selection

TEP-AUXXX
EG:TEP-AU1E1,1 IN/1OUT,Input:0-500V,output:DC 4-20mA.
TEP-AIXXX
EG:TEP-AI1B1,1 IN/1OUT,Input:0-5A,output:DC 4-20mA.

MAIN TECHNICAL PARAMETERS

Input

Input current range:AC 0-5A
Input voltage range:AC 0-500V
Frequency range:40Hz-60Hz

Output

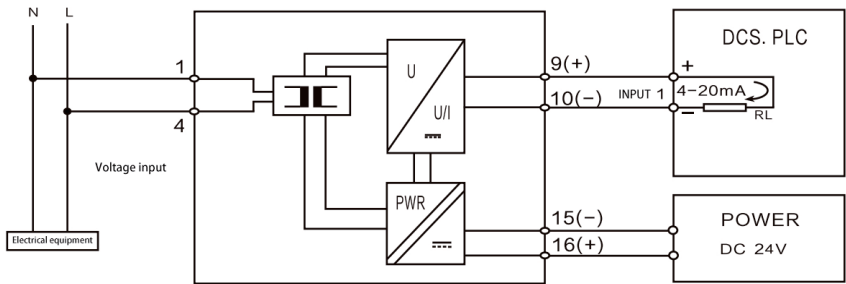
Output signal:4-20mA;0-20mA;0-5V;0-10V
Output load resistance:RL≤500Ω (Output is current signal)
RL≥10KΩ (Output is voltage signal)

Basic Parameter

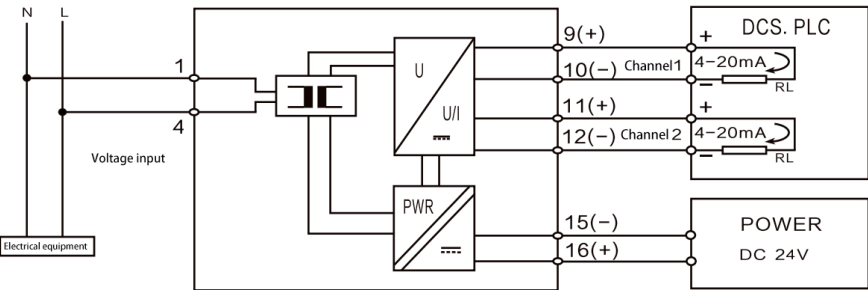
Power supply: DC24V,Voltage Range:DC 18-36V or AC85-265V
Rated power: ≤1W(1 IN 1 OUT,DC24V power supply,when 20mA output)
Basic accuracy: 0.5%F.S
Temperature drift:0.02%F.S/℃ (-20℃~+55℃)
Response time:≤400mS(0-90%)(TYP)
Insulation strength:2000VAC/1min(Between input,output and power)

Insulation resistance:≥100MΩ(Between input,output and power)
Working temperature range:-20~+55℃
Electromagnetic Compatibility: According to GB/T 18268.1(IEC61326-1)

WIRING DIAGRAM



TEP-AUH1XX 1 IN 1 OUT



TEP-AUH2XX 1 IN 2 OUT



OVERALL DIMENSION

