

YDD-I (U) Series AC Current/Voltage Transducer

✧ Externality



✧ Notice

1. Shielded cables are recommended and cables of the power supply, input and output shall be separated;
2. The operating environment allows no electric dust or gases that corrodes metal or destroys insulation. The altitude is less than 2500m;
3. Don't modify Zero and accuracy which have been calibrated by the manufacturer.

✧ Model Description

YDD- (Type)- (Input)- (Power Supply)- (Output)	
Type	I: Single Phase AC Current Transducer U: Single Phase AC Voltage Transducer Ir: Single Phase AC Real RMS Current Transducer Ur: Single Phase AC Real RMS Voltage Transducer
Input(AC)	0~30A、0~500V (the range of optional)
Power Supply	AC220V±15%; DC20~60V; AC85~265V or DC85~330V (Optiona)
Output (DC)	0~5V, 0~10V, 1~5V, 0~20mA, 4~20mA (Optiona)

✧ Function and Features

1. Transforms the measured AC current/voltage to a DC current/voltage output according to the linear scale;
2. Excellent temperature characteristic and good working stability;
3. Configuration compactness and briefness.

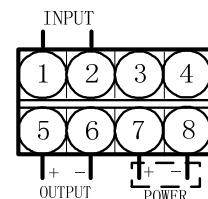
✧ Technical Index

Standard	GB/T13850-1998 idt IEC 688:1992
Accuracy	0.2%, 0.5%
Overall Power consumption	≤3VA
Accuracy drift	(Annual Variation) <0.2%
Working frequency	AC2.0kV/min.1mA
withstand voltage	(between Input/output/power)
Insulation Resistance	≥20MΩ (DC500V)
Surge Voltage	4kV(peak value), 1.2/50μS
Response Time	≤350ms
Input Range	AC0~30A; AC0~500V(Optional), 50/60Hz
Absorbed Power	<0.5VA/450V, <0.2VA/100V, <0.1VA/5A

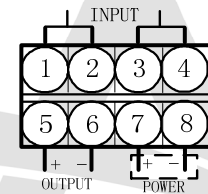
Overload Capacity	Current: 2 times continuum, 30 times/1s Voltage: 800V continuum
Load Resistance	Current output: $RL \leq 550\Omega$; Voltage output: $RL \geq 2K\Omega(5V)$ $RL \geq 3K\Omega(10V)$
Working Conditions	-10~50℃, 20%~90%RH without condensation
Storage Conditions	-40~70℃, 20%~95%RH without condensation
Installation	DIN (35mm) guide apparatus or fixation by M4 screws
Dimension	55mm×75mm×120mm

✧ Connection Diagram

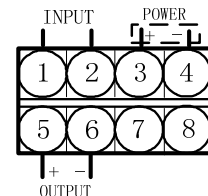
Less than 10A input current or voltage



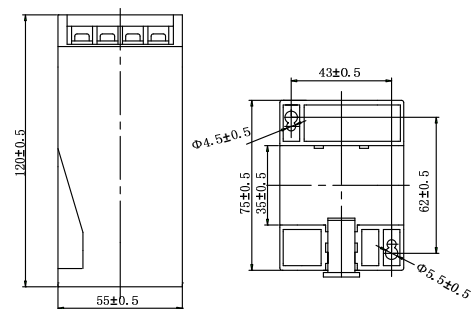
More than 10A input current



Real RMS



✧ External Dimensions (Units: mm)



Note: The above pictures are for reference only, the products are subject to the actual product, Copyright, all rights reserved. Specification subject to change without prior notice.