

# Voltage Transducer/Sensor

## 1-Phase AC Voltage Transducer :

### Main functions and characteristics

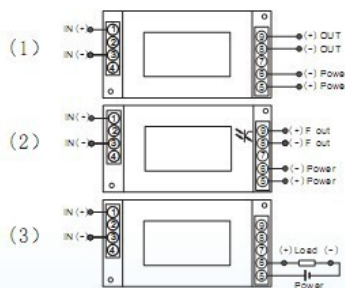
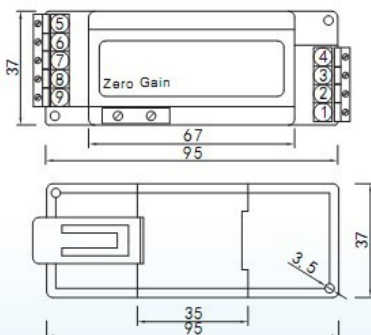
- \*Transforms the measured 1-phase AC voltage into the standard DC voltage or DC current output according to the linear proportion
- \*Low power consumption, three isolations, high reliability
- \*Excellent anti-interference ability and high accuracy (0.5%)
- \*Voltage terminal insert , standard din rail(35mm) mounting
- \*It widely applies to all kinds of industrial voltage online isolation detection system
- \*Small size, dimension(mm): 95(L)×37(W)×32(H)



### Specifications

* Standards: IEC688:1992, QB/LF2007-1	* Isolation Resistance: $\geq 20M\Omega$ (DC500V)
* Input Range: 0~500V can choose 0~100V,0~300V etc	* Impulse Voltage: 5KV(peak value), 1.2/50uS
*Accuracy Grade: $\leq 0.5\%$ .F.S	* Response Time: $\leq 300mS$
* Temperature Characteristics: $\leq 50PPM/^{\circ}C$ (0~50 $^{\circ}C$ )	* Load Capacity: 2 times current continuous
* Power Consumption: $\leq 0.3VA$	* Working Environment: -10 $^{\circ}C$ ~50 $^{\circ}C$ , 20%~90%without condensation
* Working Stability: annual change < 0.2%	* Storage Environment: -40 $^{\circ}C$ ~70 $^{\circ}C$ , 20%~95%without condensation
* Isolation Withstanding Voltage: AC2.0KV/min*1mA between input/output/power	

### Dimension Diagram and Connections Diagram



(1)Voltage, current output;(2)Frequency output;(3)Two-wire system 4~20mA output

### Notes

1. Notice the auxiliary power supply information on the product labels, make sure the connections of input, output and power supply are correct before power on. The transducer is an integration structure which can not be removed and please avoid collisions and falls.
2. When the transducer used in a strong magnetic interference environment, please notice the shelter of the input wire, output signal must be as short as possible. When more than one transducer are installed, please make sure the distance between the transducers > 10mm.
3. The inside of this series transducers is not installed with lightning protection circuit, when the input, output feeder exposure to bad climate environment outside, please take measures of lightning protection.
4. This product use the flame retardant ABS plastic shell (its utmost temperature is +85 $^{\circ}C$ ) packaging, please don't bake the shell in high temperature, or it will be distorted, influence the performance of the product.
5. Please use or store the product far away from the hot source, please do not bake the product into high-temperature oven.
6. In order to make sure our company provide the three guarantees(guaranteed return, guaranteed exchange, guaranteed repair) service for the product, please do not damage or modify the product labels \ marks, please do not remove or refit the transducer.