ChenYang Technologies GmbH & Co. KG

AC Current/Voltage Converter CYAVC-AC100A

The CYAVC-AC100A is an AC current/voltage converter that converts AC current to AC voltage based on the principle of electromagnetic induction. The input AC current can be measured by measuring the output AC voltage. The converter has good long-term stability and small temperature coefficient, and is very suitable for AC current measurement as well as calibration of AC current measuring systems and current sensors. The maximum measuring current is 100AAC and the measuring accuracy is ±0.01% in the frequency range of 50Hz to 2.5kHz.
It is recommended to use a 6.5-digit or higher digital voltmeter (or equivalent) for voltage measurement.

Technical Data

Input current range:	0~1A, 0~10A, 0~100AAC
Output voltage per range:	0~1V AC
Current/voltage conversion rate:	1A/V (0~1A), 10A/V (0~10A), 100A/V (0~100A) (Conversion rate = full scale /V)
Measuring uncertainty:	±0.01% (50Hz~2.5kHz), ±0.02% (2.5kHz~5kHz) ±0.05% (5kHz~10kHz) (Measurement accuracy is evaluated when the input current is greater than 20% of the range)
Operation temperature range:	20°C ± 2°C
Storage temperature:	18°C ~ 28°C
Relative humidity:	30 ~70%
Dimensions:	165 x 100 x 60mm (excluding handle size)
Unit weight:	1.5kg
Warranty term:	12 months after shipment date

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