AC VOLTAGE TRANSDUSER

VP2 - ☐☐

FIXED LOAD/MODERATE PRICE TYPE

WITH WAVEFORM COMPENSATION   rd HARMONICS 5%

Use

  Converts AC voltage in an electric power system into a DC signal in proportion to input.

Features

1. Auxiliary supply free type.
2. Specified load resistance type.
3. Withstand voltage between input, output and outer case (earth) is AC2, 000V (50/60Hz), complete insulation for 1 minute.
4. Impulse withstands voltage 5kV, 1.2/50μs (between electric circuit and earth), and positive/ negative polarity 3 times each is guaranteed.
5. Electrostatic shield between primary and secondary protects output side equipments from a lightning surge or suchlike from input side.

VP2-53

(80× 50× 121mm/400g)

Connection diagram

Specification

Input	Output (load resistance)	Common specification
1 : AC0-63.5V	1 : DC0-100mV (fixed at 50k) *1	Tolerance: ± 0.5%
2 : AC0-86.6V	2 : DC0-1V (fixed at 50k) *1	Consumption VA: Input: 1.5VA
3 : AC0-110V	3 : DC0-5V (fixed at 50k) *1	Weight: :400g
4 : AC0-127V	4 : DC0-1mA (fixed at 5k) *2	Response time: 1sec/99%
5 : AC0-150V	0 : other than those above (but, MAX1mA,MAX5V)	
6 : AC0-173.2V		
7 : AC0-220V		
8 : AC1-300V		
0 : other than those above		
(rating frequency: 50/60Hz)		

*1 Please specify a load resistance more than or equal to 50kΩ for voltage output.

*2 Please specify a load resistance less than or equal to 5kΩ for current output.
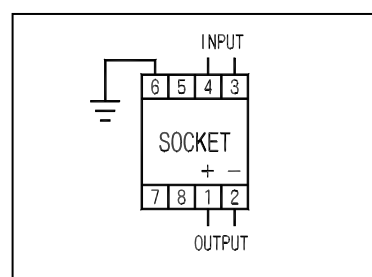
It may lead to an output error if use the product with a load resistance other than specified ones. Also, a load resistance can be adjusted by an external VR if it is within ±5% of specification. There is the case that even an external VR cannot adjust a load resistance if it exceeds ±5%.

Purchase specifications