

AC Current transducer CVB-500A

$I_{PN}=10..50A$

Transducer for the electronic measurement of AC sinusoidal waveforms, with galvanic isolation between the primary (High power) and the secondary circuit (Electronic circuit). Jumper selectable ranges and self powered transducers.



RoHS COMPLIANT



Operating performances ($AT=25$)

Primary current(with manual jumper)	I_P (A)	10,20,50	A
Output signal	V_{OUT}	0~10	V
Supply voltage	V_{CC}	Self Powered	
Load resistance	R_L	1	MΩ
Accuracy Class	ϵ_L	±1	%
Response time	t_r	< 100	ms
RMS Isolation voltage test, 50Hz, 1min	X	3	KV AC
Rated voltage	V_b	150	V AC
Frequency bandwidth	f	50/60	Hz

General data

Operating temperature	T_O	-25~+70°C
Storage temperature	T_S	-40~+80°C
Mass	m	110g
Note	Insulated plastic case recognized according to UL 94-V0	

Features

AC sinusoidal measurement	Self powered transducers
Average responding	Panel mounting
Voltage output	Jumper selectable ranges

Applications

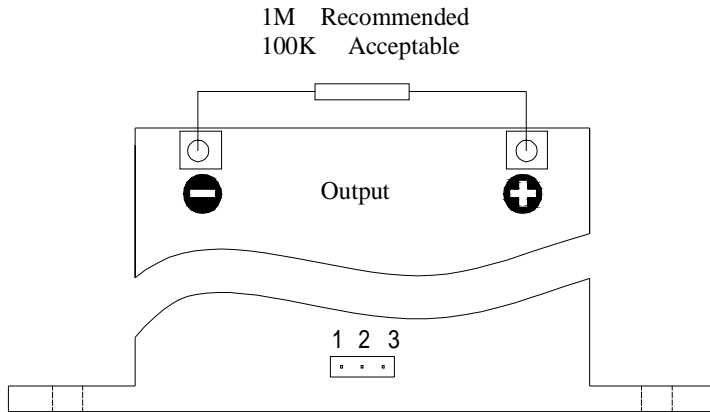
Automation systems	Analog current reading for remote monitoring(e.g.motor)
Data loggers	Self-powered transducer does not drain data logger batteries.
Panel meters	Simple connection displays power consumption.

Advantages

Large aperture	High isolation between primary and secondary circuits
Easy to mount	

CVB500A

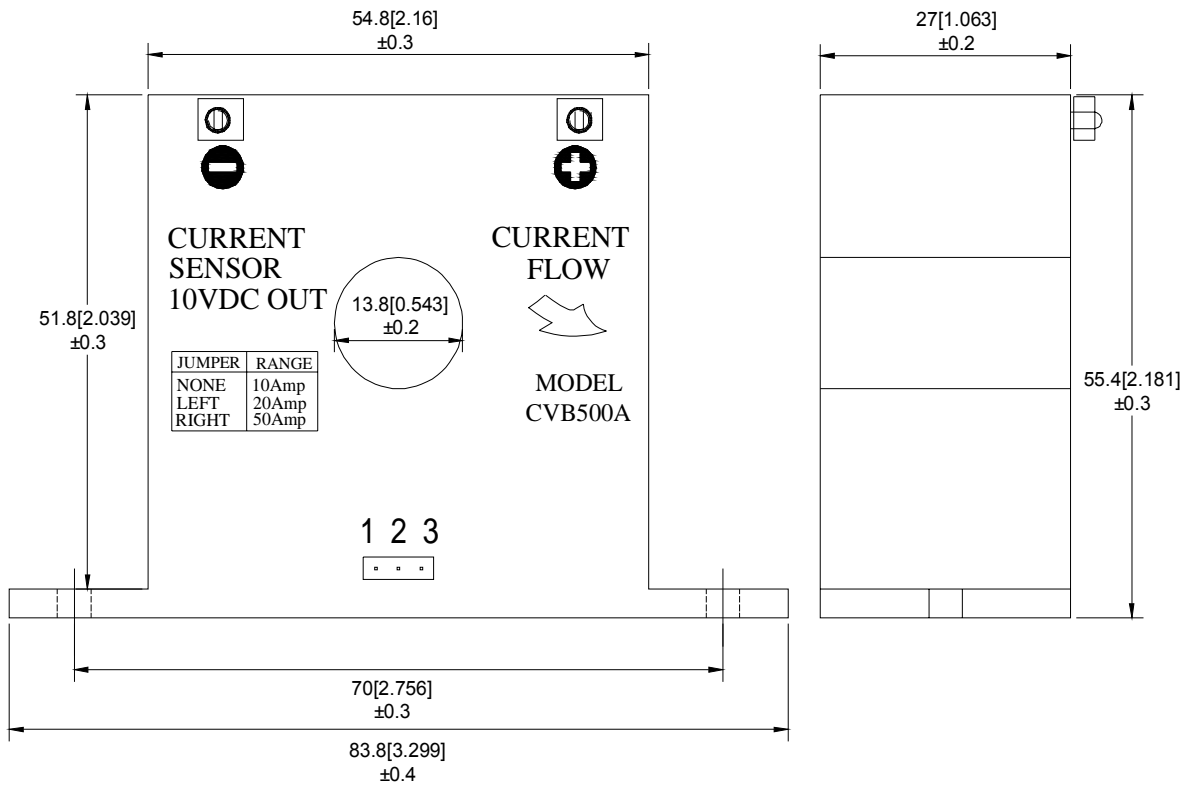
● **Connections**



Range Jumper

pin arranges			Primary current
1	2	3	
○	○	○	10A
○	—○	○	20A
○	○	—○	50A

● **Dimensions (unit: mm/inch)**



Remarks

- ◆ Temperature of the primary conductor should not exceed 60 °C