

AC Current Transducer CVB101S

$I_{PN}=10-100A$

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 °C)

Primary current(with manual jumper)	I_{PN}	10,50,100	A
Output signal	V_{OUT}	0~5	V
Supply voltage	V_{CC}	Self Powered	
Load resistance	R_L	1	MΩ
Accuracy	ϵ_L	±1	%
Response time	tr	< 100	ms
RMS Isolation voltage test, 50Hz,1min	X	3	KV AC
Rated voltage	Vb	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

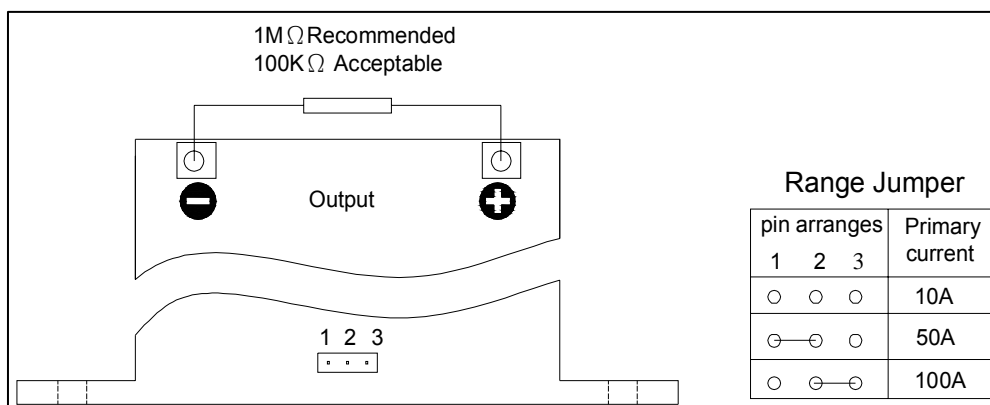
◆ Automation systems	Analog current reading for remote monitoring(e.g.motor)
◆Data loggers	Self-powered transducer does not drain data logger batteries.
◆Panel meters	Simple connection displays power consumption.

● Advantages

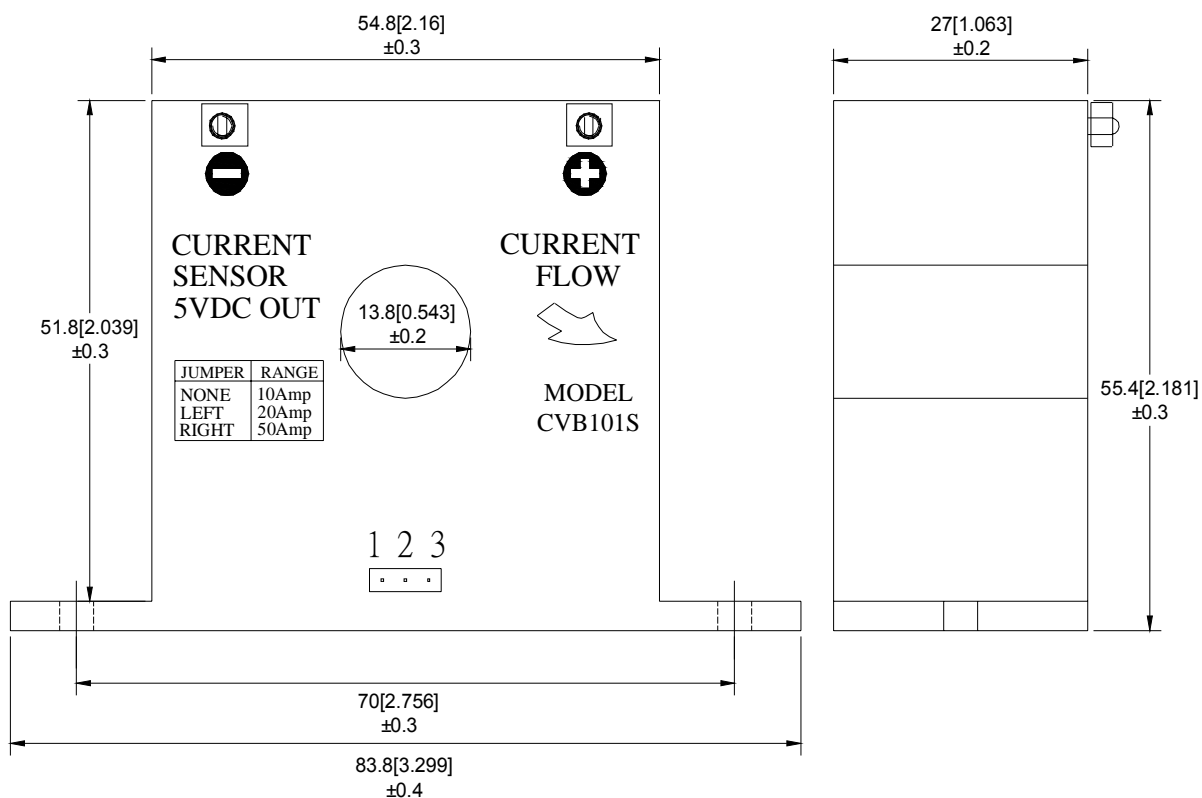
◆Large aperture	◆High isolation between primary and secondary circuits
◆Easy to mount	

CVB101S

● Connections



● Dimensions (unit: mm/inch)



● Remarks

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