BADGER GLOBAL COMPONENTS
1510 Sylvania Ave., WI 53177 262-884-9087
Fax 262-884-9082 sales@badgerglobal.net

AC Current Transducer CVI 500S

I_{PN}=5-15-30-50A

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

RoHS COMPLIANT

● Operating performances （AT =25℃）

Primary current	I_{PN}	0~5/15/30/50	A
Output signal	I_{OUT}	4~20	mA/dc
Supply voltage (±10%)	V_{CC}	18-35	Vdc
Load resistance	R_L	＜250	Ω
Accuracy	ε_L	±2	%
RMS Isolation voltage test, 50Hz,1min	X	2	KV
Frequency bandwidth	f	50~60	Hz

● General data

Operating temperature	T_O	-25～+70℃	
Storage temperature	T_S	-40～+80℃	
Operating Humidity		0 - 95	% RH
Storage Humidity（Non-Condensing）		0 - 98	% RH
Mass	m	120g	
Note		Insulated plastic case recognized according to UL 94-V0	

● Features

◆AC sinusoidal measurement ◆Panel mounting

◆Average responding ◆Voltage output

● Applications

◆ Automation systems Analog current reading for remote monitoring(e.g.motor) .

◆Panel meters Simple connection displays power consumption.

● Advantages

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

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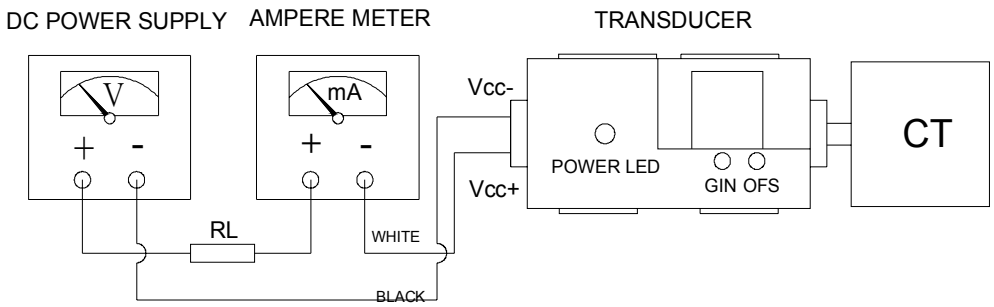
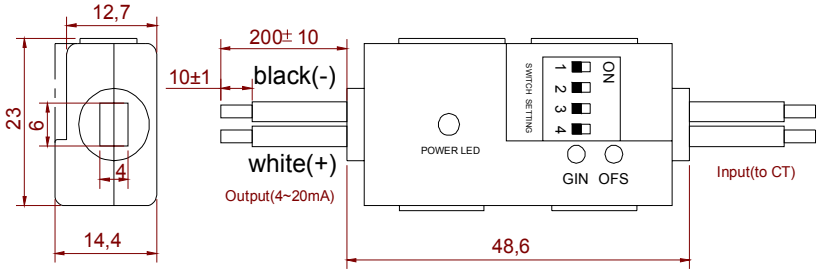
• Connection

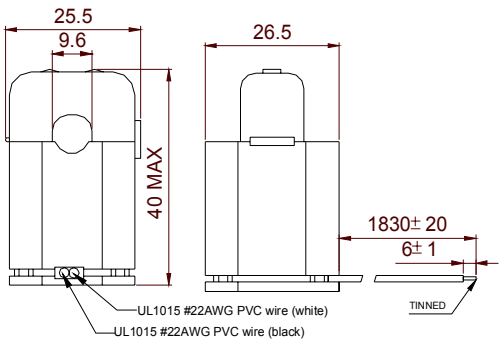


● Dimensions (unit: mm)



DIP SWITCH SETTING

0-5 Amps = 1ON
0-15Amps = 2ON
0-30Amps = 3ON
0-50Amps = 4ON



● Remarks

◆Temperature of the primary conductor should not exceed 60℃