

AC Current Transducer CVQ301S

$I_{PN}=37.5-75-150-300A$

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°C)

Primary current	I_{PN}	37.5,75,150,300	A
Output signal	I_{OUT}	4~20	mA/dc
Supply voltage ($\pm 10\%$)	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	40~400	Hz

● General data

Operating temperature	T_O	-25~+70°C	
Storage temperature	T_S	-40~+80°C	
Operating Humidity		0 - 95	% RH
Storage Humidity (Non-Condensing)		0 - 98	% RH
Mass	m	130g	
Note		Insulated plastic case recognized according to UL 94-V0	

● Features

◆ AC sinusoidal measurement	◆ Panel mounting
◆ Average responding	◆ Current output

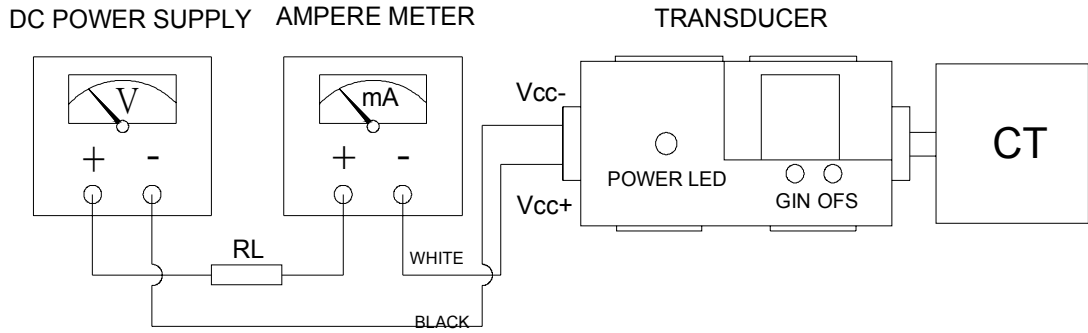
● Applications

◆ Automation systems	Analog current reading for remote monitoring(e.g.motor)
◆ Panel meters	Simple connection displays power consumption.

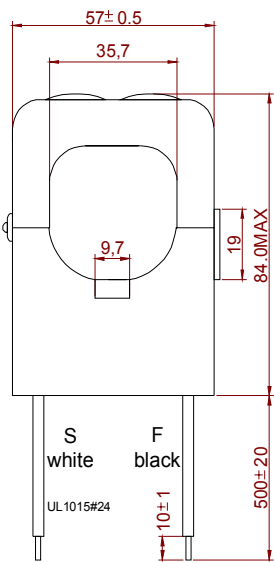
● Advantages

◆ Easy to mount	◆ High isolation between primary and secondary circuits
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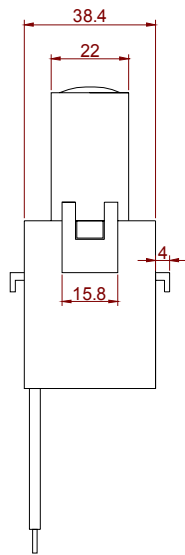
● **Connection**



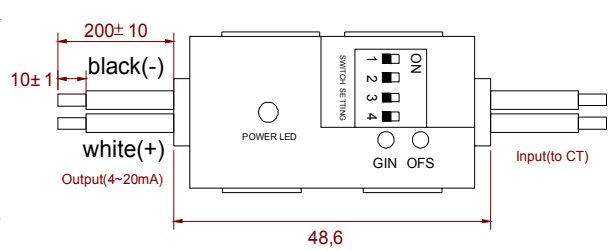
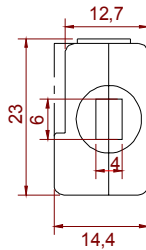
● **Dimensions (unit: mm)**



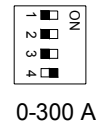
Front view



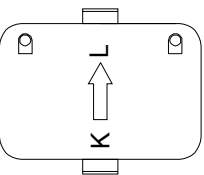
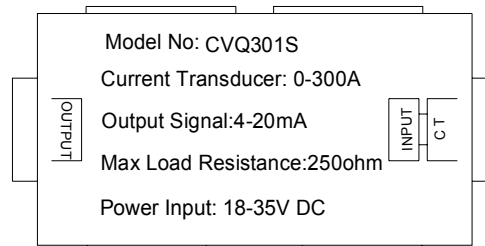
Right view



DIP SWITCH SETTING



LABLE



Bottom view

● **Remarks**

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