

AC Current Transducer CVL 300S

I_{PN}=30A

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}	30	A
Output signal	I _{OUT}	4~20	mA/dc
Supply voltage (±5%)	V _{CC}	18-35	Vdc
Load resistance	R _L	<250	Ω
Accuracy (40%---100% Primary current)	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°C	
Storage temperature	T _S	-40~+80°C	
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	◆4-20mA output

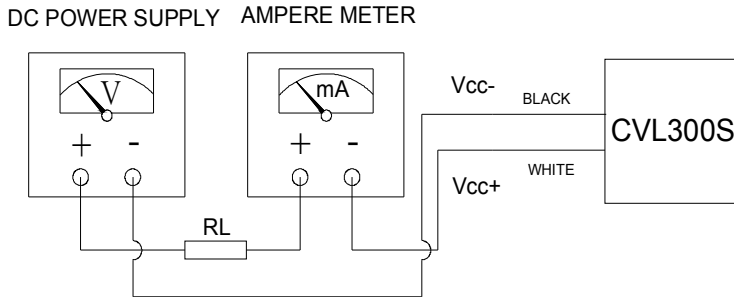
● Applications

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

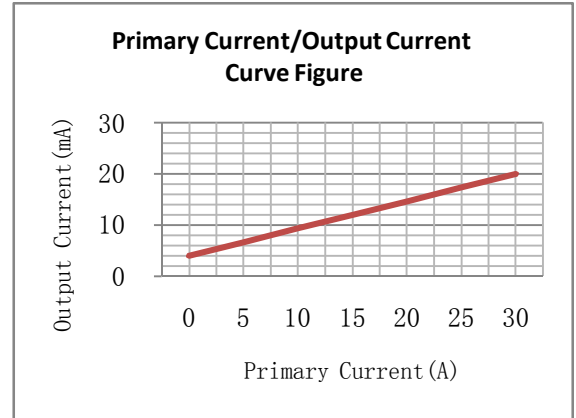
● Advantages

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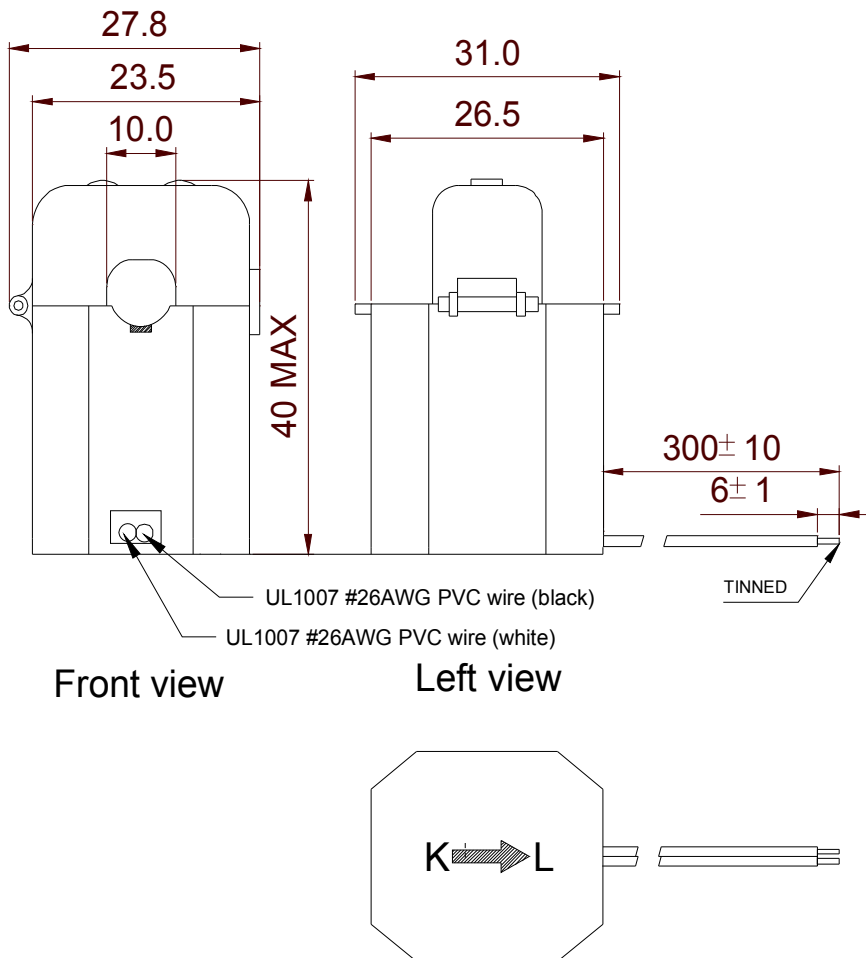
● **Connection**



● **Output Curve Figure**



● **Dimensions (unit: mm)**



● **Remarks**

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