

A-CT2500LTB AC Current Transducer

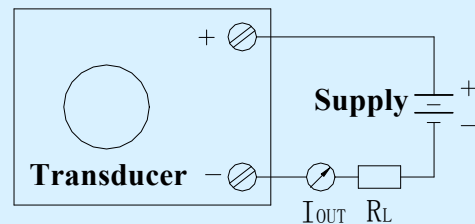
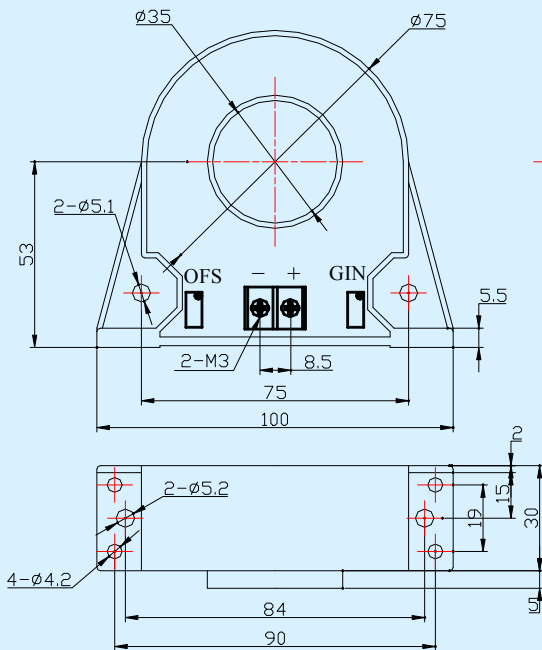
Transducer for the electronic measurement AC waveforms current, with galvanic isolation between the primary (High power) and the secondary circuits (Electronic circuit).



Electrical characteristics						
Type	A-CT2100LTB	A-CT2200LTB	A-CT2300LTB	A-CT2400LTB	A-CT2500LTB	
I_{PN} Primary nominal input current	0~100(AC)	0~200(AC)	0~300(AC)	0~400(AC)	0~500(AC)	A(rms)
I_P Measuring range of primary current	$I_{PN} \times 120\%$					A(rms)
I_{OUT} Secondary Analogue output current	4-20(DC)					mA
V_C Supply voltage	+12~+32					V
R_L Load resistance	$V_C=17V$ 0-250	$V_C=22V$ 0-500	$V_C=27V$ 100-750	$V_C=32V$ 100-1000		Ω
ϵ_L Linearity	<0.2					%FS
X Accuracy	$T_A=25^\circ C$		< ± 0.8			%
V_D Insulation voltage	AC/50Hz/1min		5			kV
I_0 Zero offset current	$T_A=25^\circ C$		4 ± 0.10			mA
I_T Thermal drift of I_{OUT}	$T_A = -25 \sim +70^\circ C$		< ± 0.005			mA/ $^\circ C$
T_R Response time	Response time@90% of I_P		≤ 300			ms
f Frequency bandwidth			20~400			Hz
T_A Ambient operating temperature			-25~+70			$^\circ C$
T_S Ambient storage temperature			-25~+85			$^\circ C$
m Mass			260			g
Standard	Q/320115QHKJ01-2013					

Dimensions of drawing (mm)

Connection



Elucidation: OFS:Zero adjustment GIN:Gain adjustment

Remarks

·Incorrect connection may lead to the damage of the Transducer.