

## A-CT21500EK2T AC Current Transducer

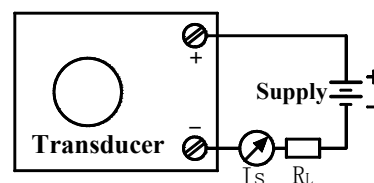
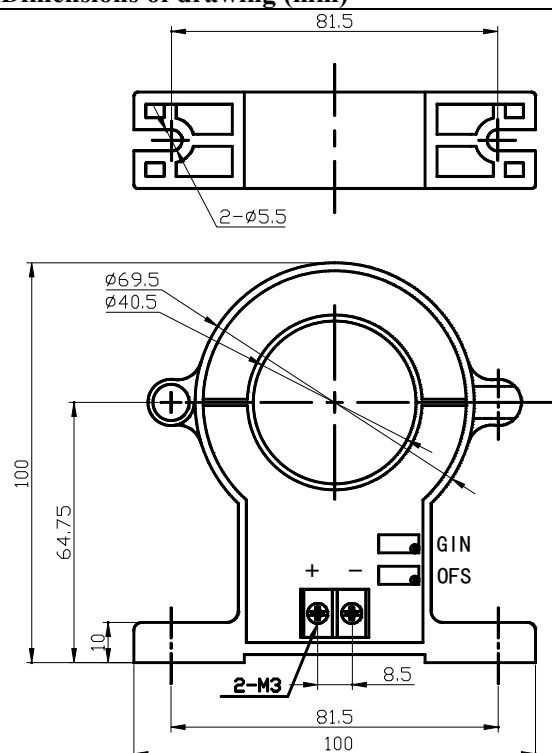
Transducer for the electronic measurement AC waveforms current, with galvanic isolation between the primary (High power) and the secondary circuits (Electronic circuit).



Electrical characteristics		Type					
		A-CT2100 EK2T	A-CT2300 EK2T	A-CT2500 EK2T	A-CT21000 EK2T	A-CT21500 EK2T	
$I_{PN}$	Primary nominal input current range	0~100(AC)	0~300(AC)	0~500(AC)	0~1000(AC)	0~1500(AC)	A(rms)
$I_P$	Max.measuring range of primary current	$I_{PN} \times 120\%$					A(rms)
$I_{OUT}$	Secondary Analogue output current	4-20mADC					mA
$V_C$	Supply voltage	+12~+32					V
$R_L$	Load resistance	$V_C=17V$ 0-250	$V_C=22V$ 0-500	$V_C=27V$ 0-750	$V_C=32V$ 0-1000		$\Omega$
$\varepsilon_L$	Linearity	<0.2					%FS
X	Accuracy	$T_A=25^\circ C$ < $\pm 0.8$					%
$V_D$	Insulation voltage	AC/50Hz/1min 3					kV
$I_0$	Zero offset current	$T_A=25^\circ C$ 4 $\pm 0.10$					mA
$I_T$	Thermal drift of $I_{OUT}$	$T_A=-25\sim+70^\circ C$ < $\pm 0.005$					mA/ $^\circ C$
$T_R$	Response time	Response time@90% of $I_P$ $\leq 300$					ms
f	Frequency bandwidth	20~10000					Hz
$T_A$	Ambient operating temperature	-25~+70					$^\circ C$
$T_S$	Ambient storage temperature	-25~+85					$^\circ C$
m	Mass	290					g
	Standard	Q/320115QHKJ01-2010					

## Dimensions of drawing (mm)

## Connection



Elucidation

OFS:Zero adjustment GIN:Gain adjustment

## Remarks

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