

®

A-CS1500EK2T AC Current Transducer

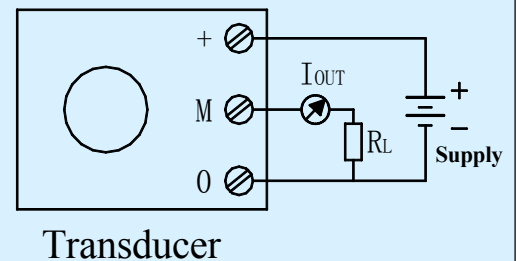
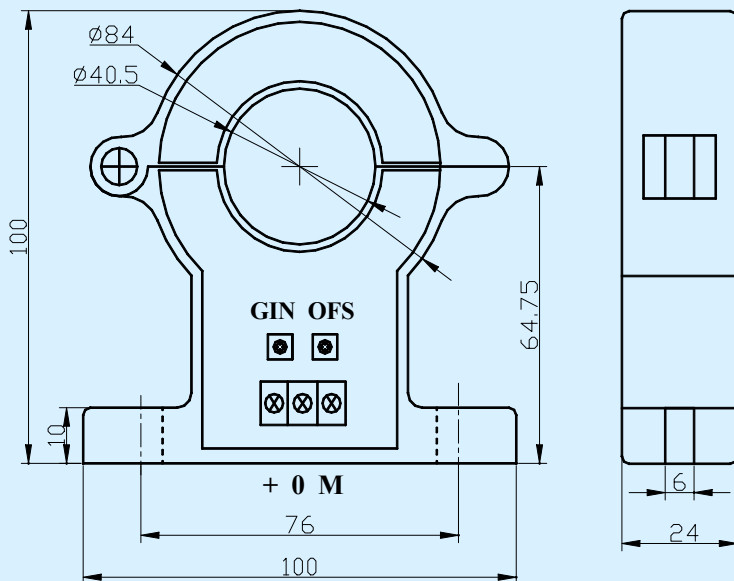


Transducer for the electronic measurement AC waveforms current, with galvanic isolation between the primary (High power) and the secondary circuits (Electronic circuit).

Electrical characteristics

Type	A-CS100EK2T	A-CS200EK2T	A-CS500EK2T	A-CS1000EK2T	A-CS1500EK2T	
I_{PN} Primary nominal input current	100(AC)	200(AC)	500(AC)	1000(AC)	1500(AC)	A(rms)
I_P Measuring range of primary current	0~200(AC)	0~400(AC)	0~1000(AC)	0~2000(AC)	0~1800(AC)	A(rms)
I_{OUT} Secondary Analogue output current	4-20(DC)					mA
V_C Supply voltage	+24±5%					V
R_L Load resistance	80-600					Ω
ϵ_L Linearity	<1					%FS
X Accuracy	$T_A=25^\circ\text{C}$	<±0.5				%
V_D Insulation voltage	AC/50Hz/1 min	3				kV
I_0 Zero offset current	$T_A=25^\circ\text{C}$	4±0.10				mA
I_T Thermal drift of I_{OUT}	$T_A=-25\sim+85^\circ\text{C}$	<±0.005				mA/°C
T_R Response time	Response time@90% of I_P	≤20				ms
f Frequency bandwidth	20~10000					Hz
T_A Ambient operating temperature	-25~+85					°C
T_s Ambient storage temperature	-40~+100					°C
m Mass	300					g
Standard	Q/320115QHKJ01-2013					

Dimensions of drawing (mm)



Elucidation: OFS:Zero adjustment GIN:Gain adjustment

Remarks

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