

# Topstek Anti-Magnet AC Current Sensors TXS17P-200A

## TXS17P-200A

### Features

- ◆ High reliability AC current measurement device
- ◆ External magnetic field anti-tamper shield
- ◆ Quick response speed, very low phase lag
- ◆ High isolation voltage between the measuring circuit and the current-carrying conductor (AC3KV)
- ◆ All materials used are RoHS compliant
- ◆ Flame-Retardant plastic case and silicone encapsulant, using UL 94V0 classified materials.

### Applications

- ◆ ADC inputs
- ◆ Power meters
- ◆ Over current detection
- ◆ Ground Fault detection
- ◆ Isolated AC current monitoring
- ◆ General 50/60Hz current sensing

### Specifications

Parameter	Symbol	Unit	TXS17P-200A
Nominal Input Current	$I_{FN}$	$A_{RMS}$	200
Measuring Range	$I_{FS}$	$A_{RMS}$	300
Output Voltage $I_F = I_{FN}$ ( $R_L = 50\Omega$ )	$V_{FN}$	$V_{RMS}$	4
Secondary Turns *1	N	-	2500 nominal
Secondary DC Resistance	$R_{DC}$	$\Omega$	$< 180\Omega$ , $T_A = 25^\circ C$
Accuracy Over Working Range *1		%	Within $\pm 0.5\%$ $I_F = 0.1 I_{FN} \rightarrow 1.0 I_{FN}$
Dielectric Strength	-	V	AC3KV X 60 sec
Isolation Resistance @ 1000 VDC	$R_{IS}$	$M\Omega$	$> 500 M\Omega$
Operating Temperature	$T_a$	$^\circ C$	$-20^\circ C$ to $120^\circ C$
Storage Temperature	$T_s$	$^\circ C$	$-20^\circ C$ to $125^\circ C$
Mass	W	g	120g

\*1. The number of secondary turns for each part model might be adjusted for the best accuracy of output voltage at nominal input current level.

### Appearance, dimensions and pin identification (All dimensions in mm $\pm 0.5$ , holes $-0$ , $+0.3$ except otherwise noted)

