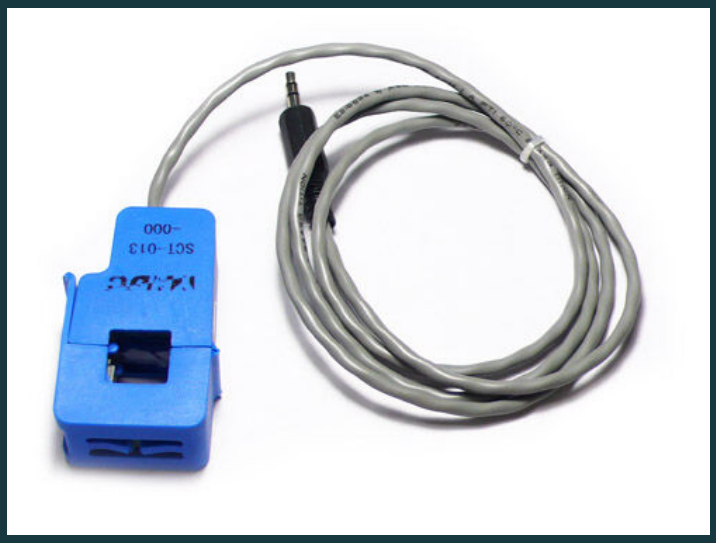
seeed studio

INDUSTRIAL PRODUCT DATASHEET

Non-invasive AC Current Transformer 100A-50mA

Non-invasive AC Current Transformer 100A-50mA: safe, non-contact current sensing with tool-free installation, portable design, and galvanic isolation for voltage measuring and AC equipment monitoring.

SKU	UPDATED	PRICE
101990029	2026-10-23 03:06:33	$6.90(Excl. VAT)



Overview



The Non-invasive AC Current Transformer 100A-50mA provides non-contact current sensing with tool-free installation in a compact, portable design, featuring galvanic isolation for safe measurement. It is suitable for voltage measuring, monitoring and protection of AC motors, lighting equipment, and air compressors.

Key Features

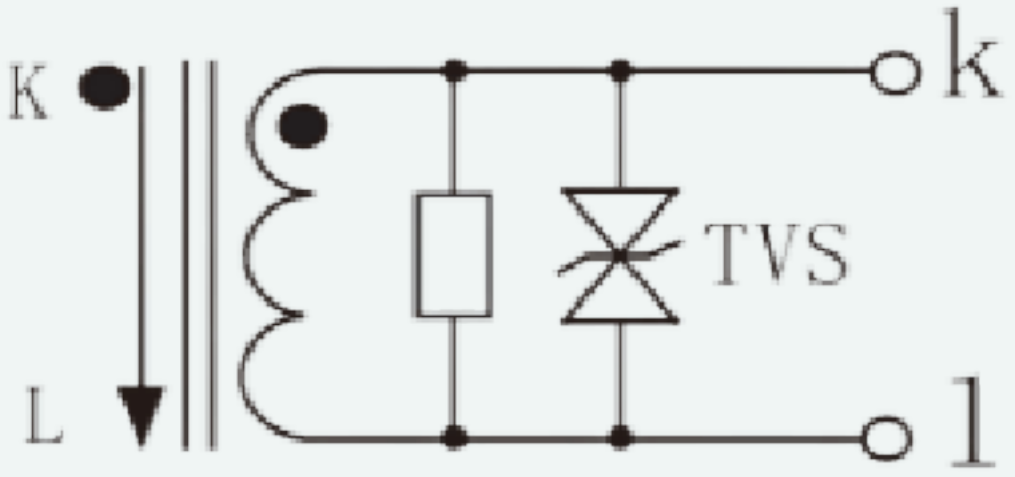
- **Non-Contact Application:** Suitable for scenarios requiring non-contact current sensing, ensuring safe measurement without physical circuit interruption.
- **Tool-Free Installation:** Easy to deploy by clamping the sensor around the target conductor, eliminating wiring modifications or specialized tools.
- **Portable Design:** Compact and lightweight structure enables effortless integration in space-constrained environments.
- **Galvanic Isolation:** Electrically isolated output prevents ground loop interference and enhances system safety in high-voltage environments.

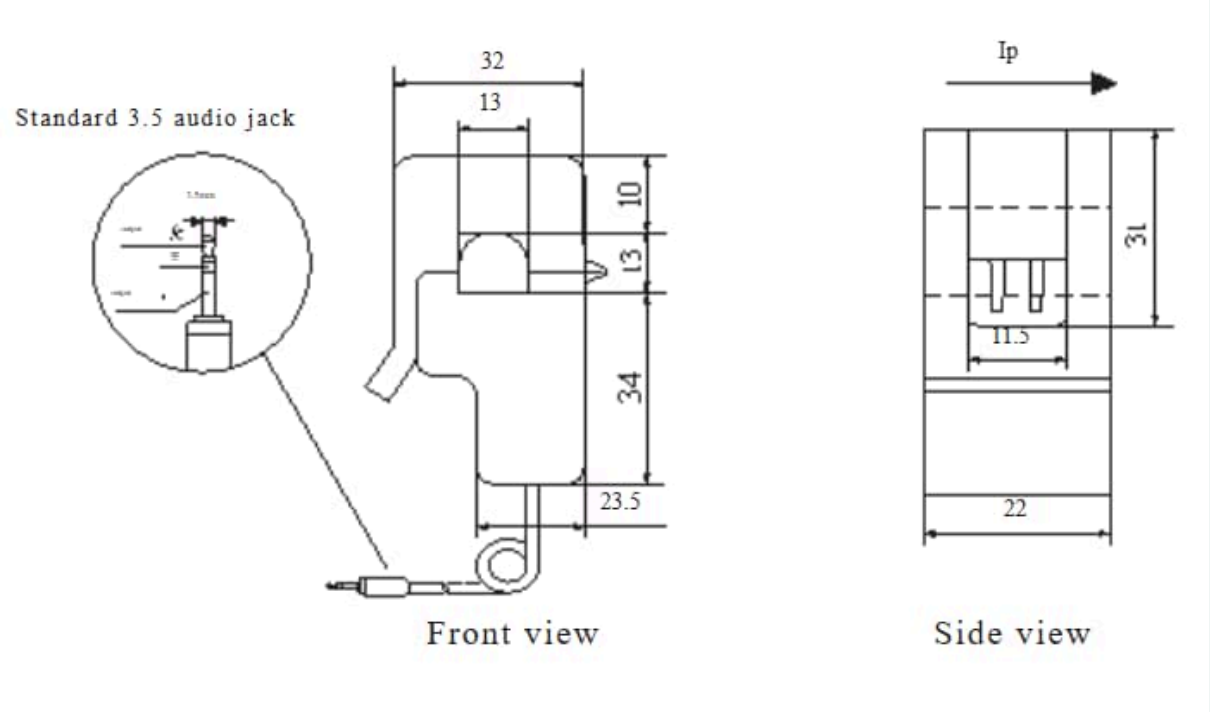
Specification

Product	Non-invasive AC Current Transformer 100A-50mA
Rated Input	100A AC
Rated Output	50mA
Accuracy	1%
Turns Ratio	1 : 2000
Sampling Resistance	10Ω
Work Temperature	-25℃~+70℃
Dielectric Strength(Output/Housing)	AC 3.5KV/1min 50Hz
Waterproof Grade	IP00
Leading Wire in Length	1m
Open Size	13mm x 13mm
Dimensions	79mm x 63mm x 27mm
Weight	G.W 73.5g
Battery	Exclude

Rated input	Rated output	Type
5A	1V	Voltage output type
10A	1V	
15A	1V	
20A	1V	
25A	1V	
30A	1V	
50A	1V	
60A	1V	
70A	1V	
100A	50mA	Current output type

Hardware Overview





Applications

- **Suitable for the voltage measuring**
- **Monitoring and protection of AC motor**
- **Lighting equipment**
- **Air compressor**

Part List

Non-invasive AC Current Transformer 100A-50mA	×1

Compliance & Logistics

HSCODE	9030899090
USHSCODE	9030890100
UPC	841454105497
EUHSCODE	9013101000
COO	CHINA

Resource Links

- https://www.seeedstudio.com/Non-invasive-AC-Current-Sensor-100A-ma-p-547.html
- SCT-013 Datasheet

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