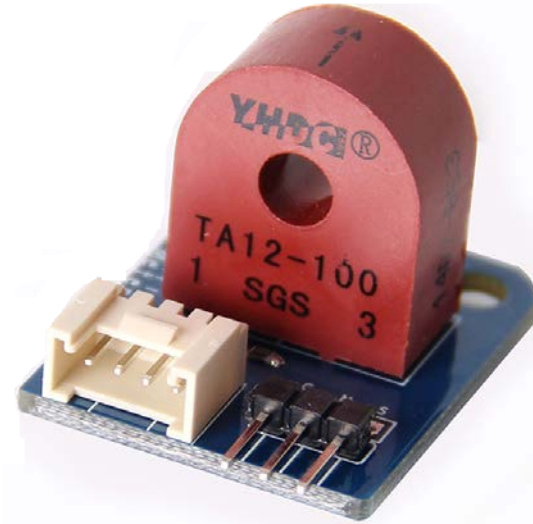


ARDUINO CURRENT SENSOR AC 5A

Model:TA12-100

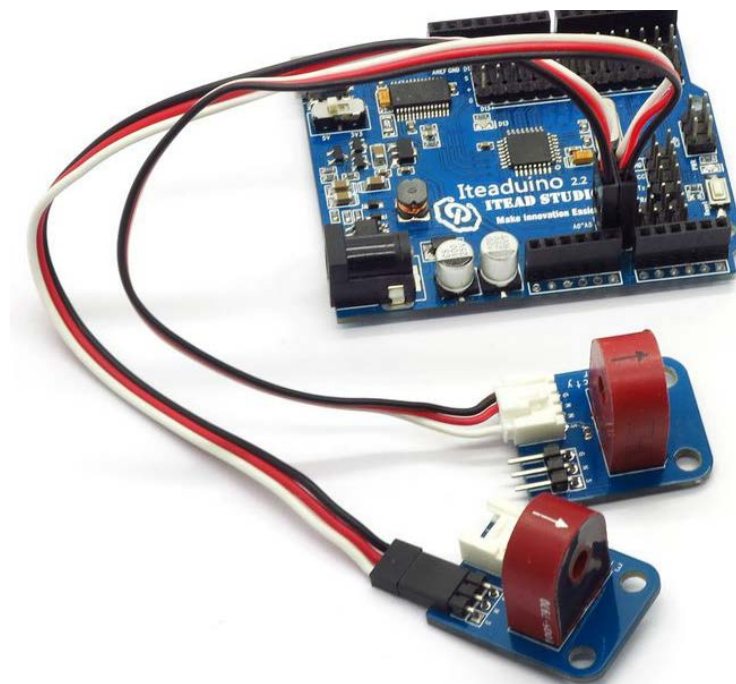


Description:

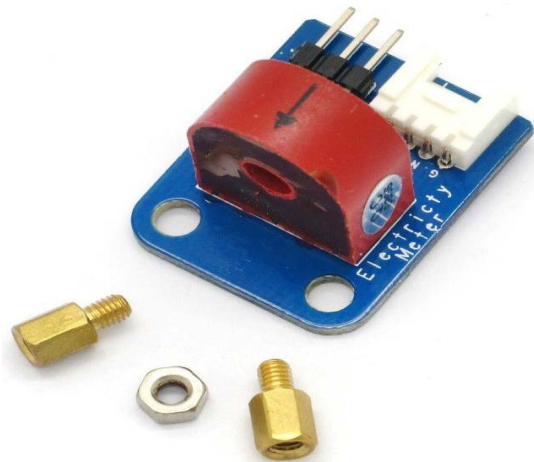
Electronic brick of electricity sensor is based on TA12-100 current transformer, which can transform AC signals of large current into small amplitude signals. The maximum current that can be detected can reach 5A, and the present current signal can be read via analog I / O port.

Features:

1. Plug and play, easy to use. Compatible with the mainstream 2.54 interfaces and 4-Pin Grove interfaces in the market.



2. With use of M4 standard fixed holes, compatible with M4-standard kits such as Lego and Makeblock.



Specifications:

PCB size	30.0mm X 24.0mm X 1.6mm
Compatible Interface	2.54 3-pin interface and 4-pin Grove interface(1)

Note 1: S for analog output port, G for ground, and N for not used pin.

Electrical Characteristics:

Parameter	Min.	Typical	Max.	Unit
Transformation coefficient	-	1000:01:00	-	-
Input current	0	-	5	A
Output current	0	-	5	mA
Sampling resistor	-	200	-	Ω
Sampling voltage	0	-	1	V
Working frequency	20	-	20000	Hz
Working temperature	-55	-	85	$^{\circ}\text{C}$
Dielectric strength	-	6	-	KAC/1min

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