Description:

This Peacefair PZEM-004T Multi-function AC Power Monitor is very popular in electrical consumption measurement projects. It is capable of measuring four interrelated electrical variables as voltage, current, power, and energy.

This tiny PZEM-004T circuit is great for measuring AC (RMS) voltage, current, and power (single-phase). The unit easily interfaces with Arduino and other hardware using the code library.
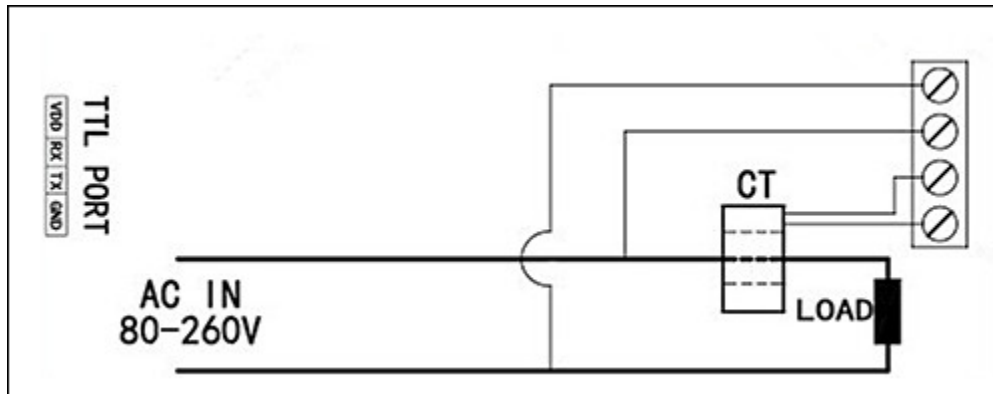
Simply power the board with a power supply (or you can use the AC source you are measuring) and connect the circular sensor to the board. Run the wire through the circular sensor and you`re ready to start measuring the voltage, current, and power. The circuit also comes with a TTL to USB adapter wire for easy connection to a computer or microcontroller.

This module features a TTL serial data communication interface, you can read and set the relevant parameters via the serial port; but if you want to communicate with a device which has USB or RS232 (such as a computer), you need to be equipped with different TTL pinboard (USB communication needs to be equipped with TTL to USB pinboard; RS232 communication needs to be equipped with TTL to RS232 pinboard).

The Peacefair PZEM-004T features a built-in button on the panel, used to make the electricity clear function.

Precautions:

1. This module is suitable for indoor, not outdoor use.
2. The applied load should not exceed the rated power.
3. The wiring should not be wrong.

Note: Package does not include a USB cable

Features:

- Electrical parameter measurement function (voltage, current, active power, power).

- The power button clear function.

- Power-down data storage function (cumulative power down before saving).

- PC PC display function (display voltage, current, active power, power).

- The serial communication function (comes with TTL serial interface, through various

   terminals to communicate with the adapter plate, read, and set the parameters).

Specifications:

Operating Voltage (VDC):	80-260V (AC)
Test voltage	80-260V (AC)
Max. Operating Current (mA)	100A
Power Rating (W):	100A/22KW
Frequency (Hz)	45-65Hz
Length (mm):	110
Width (mm):	70
Height (mm):	35
Weight (g):	70