

Three-phase Rogowski coil transducer (1Aac) is based on the industrial demand and design a with high precision, high safety, low power consumption of the transmitter. The power meter can be in a variety of specifications, the instrument is connected.



#### Electrical data (Ta=25°C±5°C)

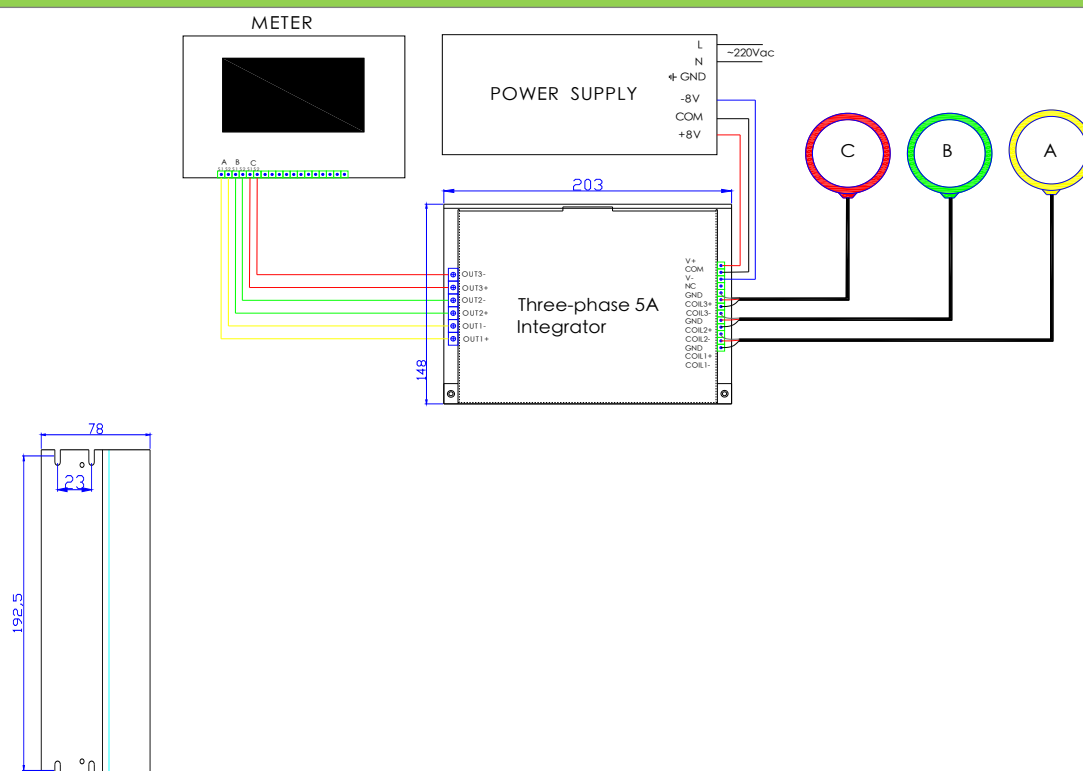
|                       |                  |       |
|-----------------------|------------------|-------|
| Current range(AC)     | 100-10K          | A     |
| Measure range         | 5% - 120%        | %     |
| Power frequency       | 45-65            | Hz    |
| Rated output          | 1                | Aac   |
| Load                  | ≤0.2             | Ω     |
| Supply voltage        | ±8 - ±12VDC/≥50W | V     |
| Power Consumption     | < 300            | mA    |
| Offset drift          | @ -25~+70°C ≤±1  | mV/°C |
| Accuracy              | ≤1               | %     |
| Linearity             | ≤1               | %FS   |
| Response time         | ≤20              | ms    |
| Galvanic isolation    | AC, 1min 10      | KV    |
| Isolation resistance  | @ DC 500V 1000   | MΩ    |
| Operating temperature | -25 to +50       | °C    |
| Storage temperature   | -40 to +70       | °C    |

#### Applications

- power system
- Industrial control system
- Battery supplied applications

## Three-phase Rogowski coil transducer

### Mechanical dimension(for reference only)

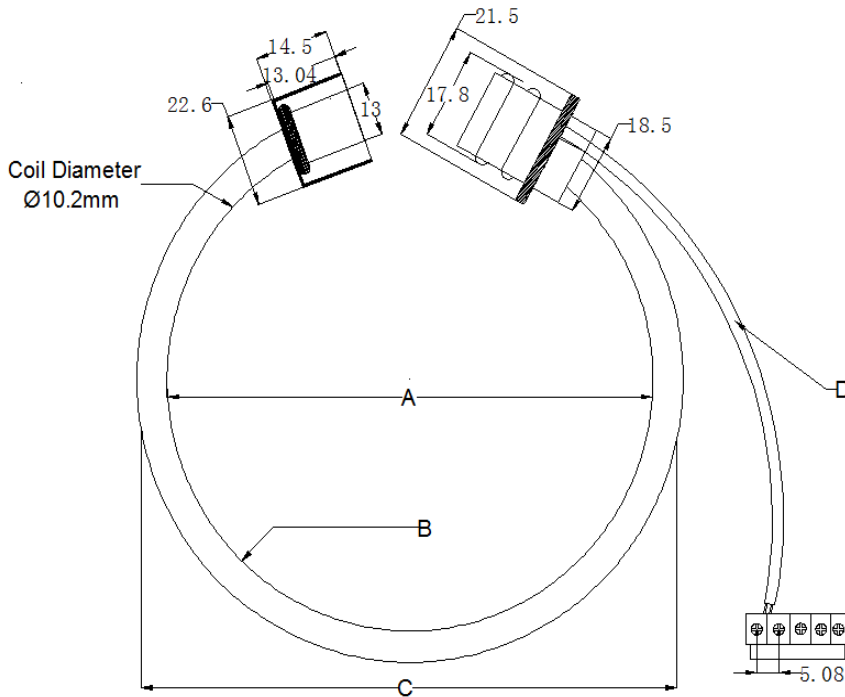


#### Note:

1. OUT1-,OUT2-,OUT3- short connections or short connections to the ground are prohibited.
2. The output needs to be short-circuited or connected to be the device after powering on ,to prevent maloperation damage to the product.

### Coil size diagram

### Three-phase Rogowski coil transducer



| A(mm)       | B(mm) | C(mm)       | D(m)        |
|-------------|-------|-------------|-------------|
| ≤600        | 10.5  | A + 2*B     | ≤50         |
| Custom made | 10.5  | Custom made | Custom made |

#### Typical linear graph(for reference only)

