

Three-Phase AC Current Transducer

This three-phase current transducer converts AC currents into a proportional DC signal. It provides accurate measurement and isolation for monitoring current in three-phase power systems.



Overview

Three-Phase AC Current Isolation Transducer

This three-phase AC current transducer utilizes electromagnetic isolation principles to accurately sample three-phase AC current and convert it into a linear, isolated DC voltage or current signal. Designed for reliability and precision, it offers low-temperature drift and high isolation pressure in a compact, easy-to-install form factor. It is an ideal solution for industrial control, power monitoring, and railway applications, featuring direct compatibility with standard PLC devices.

Performance Metrics

Accuracy

0.5 %

Precision

Frequency Response

40Hz - 400Hz

Overload Capacity

20 x nominal

Electrical Characteristics

Load Resistance

Output Type	Resistance
Voltage Output	e K \odot
Current Output	d 30 \odot

Isolation Voltage

- Power port: $\pm 0.5\text{KV}$ (L-N / 2 \odot)
- Analog I/O port: $\pm 0.5\text{KV}$ (L-N / 40 \odot)
- Input / Power port: $\pm 2\text{KV}$
- Analog I/O port: $\pm 1\text{KV}$

Environmental Conditions

Operating Temperature

-55 to +65°C

Humidity

d95%r(o dew)

Applications

Target Industries

Electric Power, Communications, Railway, Industrial Control

Installation

Mounting Methods

Standard Rail • Screw Mounting