

# 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