

Wireless Temperature Sensor with Isolated Probe

This wireless sensor transmits temperature data at 470MHz across distances up to 100 meters. Its isolated probe and rapid 15s sampling frequency enable precise temperature measurements within a range of 0 to 125 .



ADDITIONAL IMAGES



Overview

Wireless Temperature Monitoring Solution

The ATE300 is a specialized wireless temperature sensor engineered for high-reliability monitoring in electrical switchgear environments. It utilizes a 470MHz wireless transmission frequency to deliver data over distances up to 100 meters, ensuring effective remote monitoring. Designed for both medium-voltage (3-35kV) and low-voltage (0.4kV) applications, this sensor features an isolated probe and efficient CT-powered operation for long-term deployment.

Technical Specifications

Temperature Measuring Range	125 °C
Sampling Frequency	15 s
Wireless Transmission Distance	100 m
Wireless Frequency	470MHz
Powering Method	CT-powered (requires >5A starting current)

Compatibility

Supported Switchgear Types

- 3-35kV Indoor Switchgears
- Built-in Switchgears
- Handcart Switchgears
- Fixed Switchgears
- Loop-net Switchgears
- 0.4kV Low-voltage Switchgears
- Drawer Switchgears

Compliance

Compliance Standards

NB/T 42086-2016

Features

Key Features

Isolated Probe • Wireless Transmission • CT-Powered • Wide Temperature Range