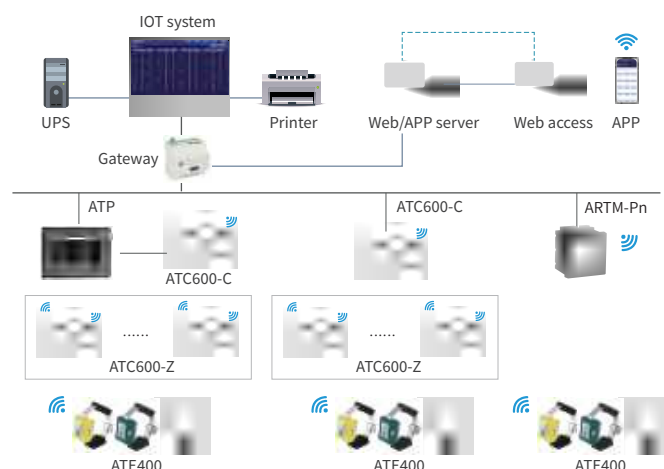


ARTM series

Wireless temperature measurement

General

Wireless temperature is suitable for 3-35kV indoor medium-voltage switchgears, including handcart switchgears, fixed switchgears and ring main unit. It is also suitable for 0.4kV low-voltage switchgears such as fixed switchgears and drawer switchgears. The wireless temperature sensors can be installed on heat-prone joints inside the cabinet, such as circuit breaker contacts, cable joints and copper bar connection joints. The wireless temperature sensor utilizes the wireless data transmission technology to send real-time monitored temperature data to the receiver. In addition, the receiver then transmits the data to a display device or power monitoring system.



Features



Compact structure

Compact body: 25.82*20.42*12.80mm



Range

-50°C~125°C



Wireless Communication

FSK wireless communication



Power Supply

CT-powered, starting current $\geq 5A$



Accuracy

$\pm 1^{\circ}C$

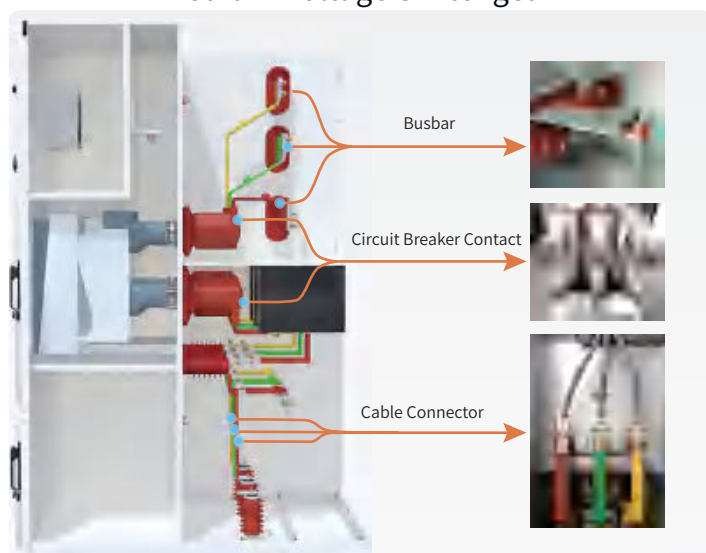


Certification

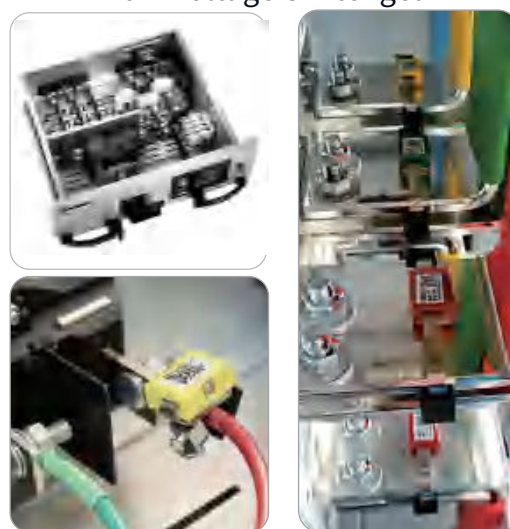
CE-RED

Product Application

Medium Voltage Switchgear



Low Voltage Switchgear



Technical Features

Item	Type	Value
		ATE400
Wireless frequency		470MHz、433Mhz、868-923Mhz
Communication distance		150m(470MHz、868-923Mhz) 、50m(433Mhz)in open area
Sampling frequency		15s
Transmission frequency		15s
Power supply		CT-powered, starting current $\geq 5A$ Max current $\leq 5000A$
Range		-50°C~125°C
Accuracy		$\pm 1^{\circ}C$
Installation		alloy chip fixing
Application		Joints in high or low voltage switchgears

Transceiver



ATC600
wireless measurement
transceiver

- **Power supply:** AC 85-265V/DC 100-300V or DC12~48V;
- **Uplink data:** RS485, Modbus-RTU, ATC600-C can receive 240 ATE400;
- **ATC600-Z:** The LORA relay is forwarded to ATC600-C, and the forwarding distance can reach 1000 meters;
- **Relay output:** 2 circuit normally open relay, 5A/AC250V, 5A/DC30V;
- **Installation:** 35mm guide rail installation.



ATP
series HMI

- **Panel:** 226.5*163*6mm (ATP007); 274*193*6mm (ATP010);
- **Cut-Out Size:** 215*152mm (ATP007); 261*180mm (ATP010);
- **Power supply:** DC24V;
- **Rear port:** RS485, Ethernet;
- **Protocols:** Modbus-RTU, Modbus-TCP;
- **Downlink data:** RS485, Connect 1 ATC600-C;



ARTM-Pn
wireless temperature
measuring equipment

- **Panel:** 96*96*17mm, depth:65mm
- **Cut-Out Size:** 92*92mm
- **Power supply:** AC85-265V or DC100-300V
- **Rear port:** Uplink data: RS485;
- **Protocols:** Modbus-RTU;
- **Sensor quantity:** up to 60 ATE400;
- **Relay output:** 2 circuit normally open relay, 5A/AC250V, 5A/DC30V;
- **Electrical parameter measurement:** U、I、f、P、Q、E;

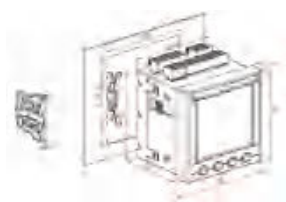
Installation and Dimensions



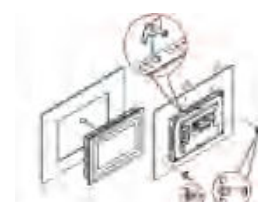
ATE400 Dimension Drawing



ATC600 Dimension Drawing



ARTM-Pn Installation Diagram



ATP Series Installation Diagram