



K6PM Thermal Condition Monitoring Device

Product Guide



Overview

The K6PM is a compact thermal imaging sensor and controller for continuous monitoring of high-voltage switchgear panels, transformers, data centers, variable frequency drives, and other critical electrical equipment. Users can safely monitor components in real time, respond quickly to issues and reduce downtime without the need for manual thermal inspections.

The K6PM has a digital display for live temperature readings and an alarm bar to signal abnormalities. Each controller can use up to 31 thermal imaging sensors with a 90°x 90° viewing angle. DIN rail mounting and built-in algorithms greatly reduce setup time.

Applications

- High voltage switchgear panels with motor contactors, transformers, solid state relays and other heat generating components
- Power generation and distribution equipment
- Variable frequency drives and inverters
- Data center cabinets
- R&D test cells

Primary Benefits

- 24/7 remote temperature monitoring helps end users respond faster to thermal related issues on equipment
- Improve worker safety by monitoring equipment at a safe distance
- Reduce maintenance costs by eliminating the need for manual thermal inspections
- Perform predictive maintenance on critical equipment

Key features

- Thermal Imaging Sensor that detects temperatures 32-392°F (0-200°C)
- Controller with built-in temperature display
- Three-level temperature alarms that triggers alarm bar and 24VDC outputs
- Ethernet IP/Modbus TCP communication
- Free PC monitoring software
- Abnormal detection algorithms
- Push-in Plus terminals

K6PM Product Selection



Communications	Part Number
K6PM Controller	K6PM-THMD-EIP
K6PM Thermal Imaging Sensor	K6PM-THS3232

Related Products



Product Name	K6CM	S8VK-X
Type	Motor Condition Monitor	Ethernet IP Power Supply