



GUIDIR® IR239C Smart Electric Monitoring System

The IR239C cell monitoring system is originally designed for the metallurgical industry. Thermal imager allows you to monitor large scale cathodes and anodes, measure their temperatures in real-time, discover short circuits and other faults and direct ground personnel to resolve the disturbance immediately. This greatly increases the efficiency of troubleshooting and operations. The system can be applied widely in cathode copper, cathode aluminum and other metallurgical industries.

Features and Benefits

01

Intuitive and accurate fault location made possible with a real-time imaging screen visualizing the location of the failure, verified by accurate temperature measurements.

Precise laser positioning is used to immediately create a remedial work order.

Significantly improve troubleshooting efficiency compared to the traditional method. The temperature probes fault detection method requires a lot of man-hours and detection times extend up to probing interval, for example every 2 hours. With the IR239C, all faults in the entire observed area are pinpointed within 5 seconds.

The IR239C is versatile and applicable in various industries, from steel pan cover design to antacid gas corrosion testing and other metallurgical fields.

Rich image processing algorithms such as Auto B/C and DDE ensure a clear and precise image at all times.

Applications

02

Continuous real-time monitoring on power equipments, such as the main transformer, GIS, high voltage switch cabinet in large substation, provide unmanned remote inspection to avoid accidents caused by failures or breakdown of the above-mentioned equipments.



Specifications

Detector	384*288
Pixel size	25um
Spectral range	8~14um
NETD	≤120mK
Type	40mm
FOV	13.7° x 10.3°
Focusing	Motorized manual/Auto focus
Temperature range	With attenuator: 0°C ~+150°C Without attenuator 150°C ~+350°C
Accuracy	±5% or ±±5°C of reading
Horizontal Angle	0°~360°
Pitching Angle	-90°~+90°
Preset position	100
Accuracy of the positions	±0.5 °
Operating temperature	0°C ~+50°C
Storage temperature	-10°C +60°C
Encapsulation	IP66
Shock	GB/T 4857.5
Vibration	GJB 150.16-86
Ethernet	TCP/IP