

## Infrared Scanning

*Make Infrared Scanning part of your annual preventive maintenance program*

**Infrared inspection is part of a complete condition-based maintenance program that is a proactive and predictive approach rather than reactive. Excessive heat is often an indication of impending failure.**

### Recommended

Insurance companies and ANSI/NFPA 70B 1900 Electrical Equipment Maintenance Standard recommend that routine infrared inspections of electrical system be performed annually.

### Accurate

This technique allows you to identify specific problem areas with a high resolution thermal image. The equipment can detect a temperature differential of +1°C.

### Fast

The inspection is performed using real-time thermal imaging, which allows the operator to scan many pieces of equipment in one day.

### Practical

There is no physical contact between the equipment and infrared camera. There are two simple requirements: Enclosures must be open, providing a direct line of sight to the equipment being scanned, and second, the equipment must be carrying a load current during inspection.

### Cost-Effective

We can detect abnormal heat rises while your equipment is still operating, eliminating costly downtime.

### Versatile

Equipment routinely tested by this method includes overhead transmission lines, substation transformers, capacitor banks, switches, fuses, circuit breakers, bus, motors, motor control centers, etc.

### Results

- presented in comprehensive reports that include digitized photographs and thermograms
- recommendations for correction or repair
- delivered prior to scheduled maintenance shutdowns

### Benefits

- performed by certified engineers and technicians experienced in differentiating between normal operation and excessive thermal rise
- survey does not require a shutdown
- inspection allows you to schedule for repair and replacement rather than reacting in a time of crisis
- extend the life of your equipment
- helps you obtain the highest value for your maintenance dollar

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