

To Schedule an Infrared Inspection
Call: 1.800.678.4042

MRES' Digital Infrared Services Offers You...

1

Written Evaluation

- Full-color, easy-to-read report
- Visual identification photo
- Colorized infrared image
- Analysis of areas of concern
- Precise temperature measurements
- Opinions based on NETA & ASNT standards
- Summary with maintenance checklist

2

CD-Rom of Report

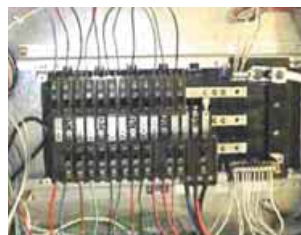
- Print additional copies
- Enlarge photographs for precise identification
- Compare year-to-year inspections

Measurement/Image Performance

Temperature range	- 40°C to +932°C (- 40°F to +3632°F)
Measurement modes	Spot (up to 5), area (up to 5), isotherm, line profile, Delta T, temperature difference
Accuracy	± 2°C, ± 2%
Thermal sensitivity	0.08°C at 30°C (1.4°F at 86°F)
Digital quality	640 x 480 analyzable pixels Full color



Visual Identification



Section	Computer Room - north wall
Equipment	Panel UP2
Other	Breakers
On-site	Check breakers 15 & 2
Date	2/27/2001

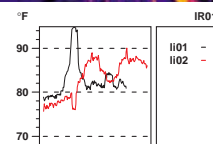
Breakers 15 & 2 are in set of 20-amp breakers.

Infrared Image



94.8° F
67.9° F

Label	Value
IR: max	96.0°F
IR: min	67.5°F
SP01	95.0°F
SP02	78.3°F
SP03	92.7°F
SP04	92.8°F
SP05	93.8°F
L101: max	94.7°F
L102: min	78.1°F
L102: max	90.1°F
L102: min	75.7°F



Temperature Rise: 16.68°F

Object parameter	Value
Emissivity	0.95
Object distance	4.0 ft
Ambient temperature	68.0°F

Comments

Opinion: Minor Problem

Multiple spots to check. Spots #1, #3, and #4 are possible loose connections or slightly overloaded breakers. Spot #5 is a reflection.

MRES' Infrared Imaging saves time and money.
Schedule your inspection today.

The infrared inspection provided by Missouri River Energy Services helped us troubleshoot our electrical system by pinpointing 'hot spots' in our panels. We were able to correct the problems before an outage occurred, potentially saving long downtimes.

Terry Mouw, Corporate Maintenance Manager
Diamond Vogel Paint Corporation
Orange City, Iowa

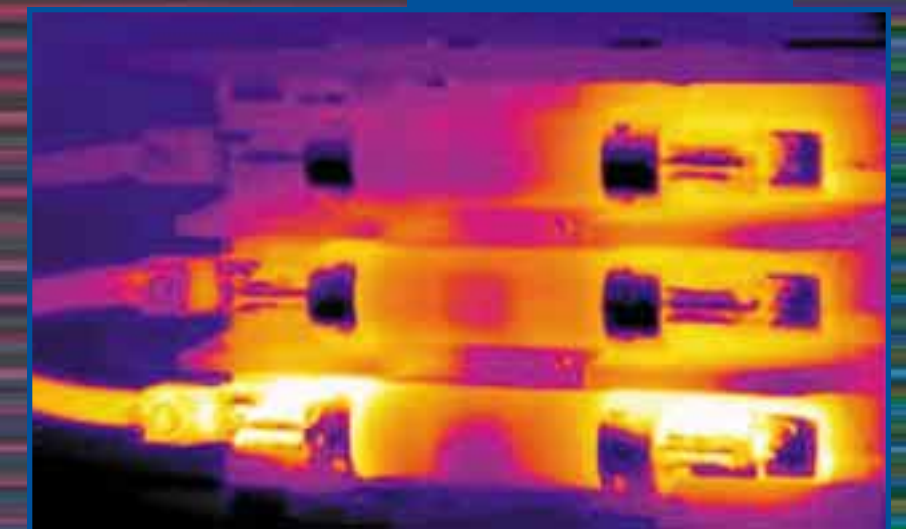


3005 West Russell Street
PO Box 84610
Sioux Falls, SD 57118-4610
Phone 605.338.4042 or
1.800.678.4042
Fax 605.334.9753



Digital Infrared Services

Energize Your Business!



*A picture is worth a thousand words.
This one is worth a thousand dollars.*

A Vital Part of Your Predictive Maintenance Program

- Detect potential equipment failures!
- Reduce repair costs and downtime!
- Save money and increase profits!

www.mrenergy.com