

## ...And for inspection outside your Main Switchgear

The **UNIQUE** low-cost **EXERGEN** infrared Super E Microscanner



For those areas outside the switchgear that don't need continuous monitoring, there's the new, unique, hand held infrared microscanner.

### Fast, Accurate and Safe

■ Measures the temperature of the component in relation to the ambient temperature – giving you early warning of problems.

### Non-contact inspections

■ Inspections can be done in seconds, with the existence and severity of potential faults indicated by color coded LEDs, + actual °C rise on ambient

### Affordable

■ Exergen costs a fraction – about 1% – of a thermal imaging camera. And it's easier to use.

### Recommended and Widely used

■ Major industry organizations have given Exergen model E a positive and enthusiastic response.

■ Used by blue chip companies throughout the world for fast, safe, reliable inspection of fuses, MCB's DIN rails, terminations, cables, motors, etc, with **NO SWITCH OFF**.

■ "One of the most worthwhile inspection instruments I have seen." David Latimer, well-known for his work in the preparation of the IEE wiring regulations.

## EXERTHERM™ – PROVIDES 24/7 THERMAL MONITORING PROTECTION FOR POWER CRITICAL SWITCHGEAR

Any business where power is "mission critical", needs the level of protection that only ExerTherm™ can provide for key electrical switchgear...

- FINANCIAL SERVICES
- IT
- MEDIA
- TELECOMMUNICATIONS
- DEFENSE
- CONTINUOUS PROCESS MANUFACTURING

...what would a power failure do to your business? Call Bob Harris at Industrial Sales Div, Exergen Corp on:

**617 - 923 - 9900**

Or e-mail: [rharris@exergen.com](mailto:rharris@exergen.com)



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# GET A GRIP ON POWER....

## SPOT POWER FAILURES BEFORE THEY HAPPEN!



Magnified 60%

...WITH

# EXERTHERM™

## CONTINUOUS MONITORING FOR SWITCHGEAR SPOTS POWER FAILURES BEFORE THEY HAPPEN!

### YOUR 5-STEP GUIDE TO HOW THE EXERTHERM SYSTEM WORKS

1

Non-contact IR sensors, which require no external power source, compare the target temperature to local ambient temperature, and send signals to a remote PC where they are displayed on screen.

2

When a problem is spotted, two audiovisual alarm levels give you time to take action before a failure occurs.

3

Trend analysis enables you to see a potential problem in advance.

4

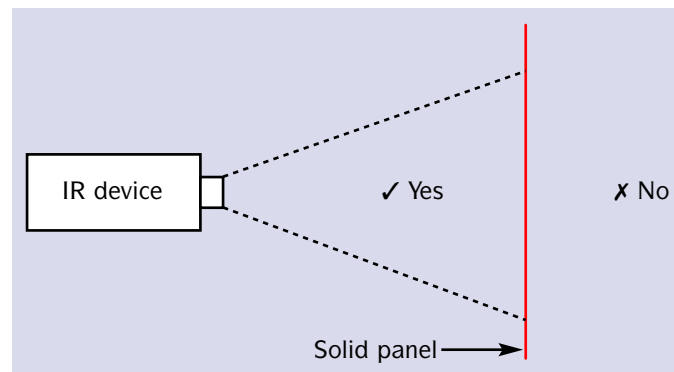
Installation is easy with a simple link to most Building Management Systems via a serial port. Can be fitted quickly and easily to new and existing systems. And it's expandable.

5

Comes complete with simple to use/view software.

### Unique continuous monitoring – your insurance against power failures

- The best way to guard against major power failures is to continuously monitor your switchgear – 24 hours a day... 365 days a year.
- But... current thermal image technology cannot do this, relying on periodic inspection. Rather like being covered by insurance for just a few hours per year... But paying the annual premium!

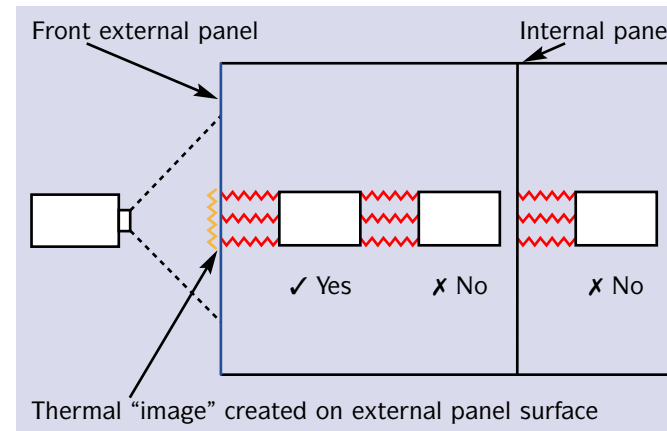


No infrared device can “see” through solid objects.

- What's the answer? Brand new technology called Exertherm™. It allows you to monitor your switchgear continuously through IR sensors that fit easily inside your panels.

### Get all of the picture... ALL of the time

- With these IR sensors constantly feeding vital information to a remote PC, you're in a position to see all of the picture... all of the time. And take action if necessary



Thermal imaging can only provide a “snapshot” image from the outside.

- Conversely, thermal imaging can only offer you a periodic snapshot of events
- What's more, ExerTherm™ also provides the opportunity for trend analysis and thus an early warning of problems.

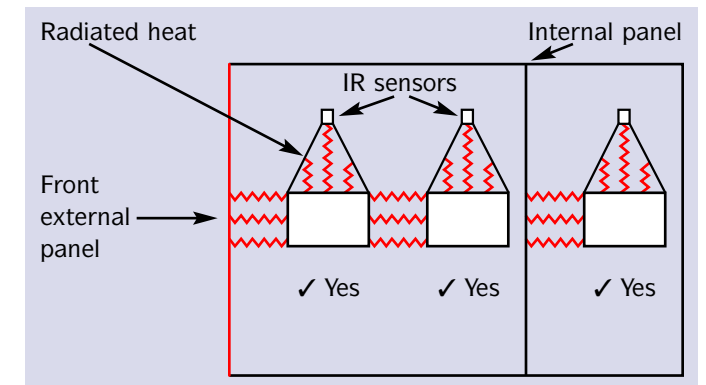
### Monitoring – it has to be an inside job

- It's a fact! No thermal imaging camera can see through solid objects. And it cannot see those components that are hidden behind others.
- Thus, periodic scans from outside are not a reliable method of ensuring potential problems can be seen at an early stage. It has to be an inside job!
- Which is why Exertherm™ sensors are placed on the inside of the panel... to give a direct view of the target.

Result! Reliable, accurate non-contact thermal monitoring – continuously!

### ExerTherm™ – A technology breakthrough. No external power to IR sensors

- ExerTherm™ is different from any other form of IR inspection. Its secret lies in a series of small sensors that are actually placed inside the switchgear enclosures.
- Requiring no external power they directly monitor all the key components on a continuous non-contact basis.
- These unique low cost sensors measure the temperature of the component in relation to the ambient temperature. So climatic conditions don't affect reliability of readings.
- And they miss nothing! It's just like having an eye inside the enclosure.



Tiny IR EM sensors are placed inside enclosures to provide continuous thermal monitoring.

CAN YOU AFFORD  
A POWER FAILURE?  
Spot it before it happens!