



3922L Vero Road, Baltimore, MD 21227
(410) 242-2300 FAX (410) 242-2808
Visit our Web site at www.trupower.net

Infrared Viewing Windows

Conduct Thermal Scans Without Exposure to Live Components

IRISS infrared viewing windows allow thermographers to safely conduct thermal/infrared scans of live switchgear or other electrical equipment without ever opening the panel. Scans are done while the equipment is online, so an accurate temperature assessment can be made and the operator is safely outside of the electrical cabinet.

Safety

Because the thermographer does not have to open panels when the electrical equipment is energized in order to conduct the thermal scan, most of the causes (triggers) of arc flash are eliminated. Viewing windows allow thermal scans on live electrical components. The thermographer simply puts the camera up to the IRISS viewing window to capture a thermal image of the equipment that shows hot spots and then moves on to the next item to be scanned.

Fast & Easy

Thermal scans are conducted faster saving time and money. Because panels are not required to be opened, there is no need for a special escort or second qualified person to unbolt, open, or remove equipment doors. The thermographer can go quickly and unencumbered from location to location, scanning electrical components, and identifying problem areas. Suspect components can be monitored quickly and easily on an ongoing basis.

Meets Safety Requirements

IRISS infrared viewing windows combine an infrared transmitting polymer with a rigid plastic gazing, a combination that meets IEEE Standard C37.20.2 requirements for viewing panes and is directly applicable to metal clad switchgear up to 38 kV and station type gear up to 72 kV. Because the thermographer is not exposed to live

components, they are NFPA 70E compliant. In addition, IRISS viewing windows are UL Listed and IP65/NEMA4 Rated.

Size Specifications

Windows come in 2", 3" and 4" diameters and are for use with any brand infrared camera with no special lens. Each is supplied complete with drilling template, mounting hardware, and cover. The field of view depends on the size of the window, the infrared camera's field of view, and the distance the components are from the window.

VPF(R)-50 2" reinforced viewing window

VPF(R)-75 3" reinforced viewing window

VPF(R)-100 4" reinforced viewing window

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