

IRISS®



Infra Red Inspection Support Solutions



IRISS® Infra Red Inspection Viewing panes and grills are designed to eliminate risks associated with conducting Thermographic Inspections of Energised switchgear and electrical installations

VPG IR Viewing Grills

Features of the IRISS VPG Range of Viewing Grills

- Suitable for use with ALL makes of Infra Red Cameras
- Unique grill design gives the lowest IR transmission losses of any viewing grill assembly available today.
- UL94 5VA Flammability Rated Assembly.
- IEEE C37.20.2 Compliant For Metal Clad and Station Switchgear.
- IP65 / NEMA 4 Rated When Closed.
- Allows Safe Thermal Imaging of Fully Energized Electrical Components Through Closed Doors.
- Available in 2, 3 & 4 Inch Viewing Diameters.
- Manufactured Using Non Conductive Materials.
- Simple Installation in 10 Minutes.



Using IRISS® IR Viewing Panes for LIVE IR Inspections Avoids 99.9% of the Triggers of Arc Flash

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WHAT IS AN INFRA RED VIEWING GRILL?

The definition of an Infra Red Viewing Grill is a device that allows an Infra Red survey to be completed without the doors being open but does not separate the panel internal environment from that of the external environment whilst being used.

IR Viewing Grill Classification:

Ensures that the viewing grill has a maximum IP2X orifice size (13mm 0.5") and the viewing grill body assembly is IP65 / NEMA 4 when not in use and has passed all relevant tests outlined by UL 508, UL 746C and IEEE C.37.20.2 section a.3.6. Although using an IR viewing grill allows the thermographer to inspect energised electrical components, they are exposed to energised components and will require the correct levels of PPE for the equipment that they are inspecting.

VPG: Infra Red Viewing Grills

The VPG has a viewing grill rather than a viewing crystal. This grill allows full access for an image to be taken but protects the panel from objects falling into the component during the inspection.

An additional benefit of using IR viewing Grills is that they can be used to conduct acoustic emission inspections on electrical switchgear at the same time as the IR inspection and they meet the IEEE requirements for impact and load.

Important Safety Note:

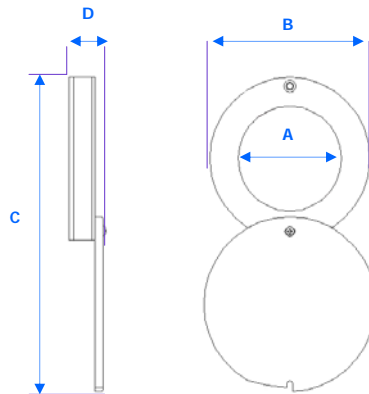
The operator will require the appropriate level of PPE when using the Infra Red Viewing Grills as they will be exposed to energised components whilst the inspections are completed.



SPECIFICATIONS

DIMENSIONS VPG50:

A = 50mm
B = 83mm
C = 151mm
D = 18 mm
Package weight = 114g



DIMENSIONS VPG75:

A = 75mm
B = 112mm
C = 225mm
D = 18 mm
Package weight = 213g

DIMENSIONS VPG100:

A = 100 mm
B = 145 mm
C = 282 mm
D = 20 mm
Package weight = 283g

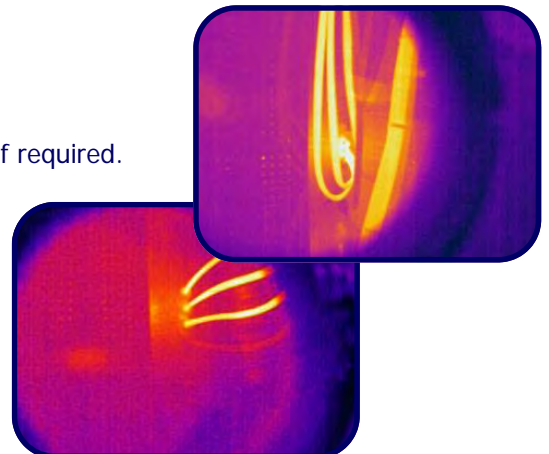


Note:

Each IR viewing Grill assembly is supplied with the following:

- ◆ Additional set of extra long stainless steel fixing screws.
- ◆ Optional stainless steel torx locking screw for additional security if required.
- ◆ Fitting Template & Instructions.
- ◆ IR Viewing Pane Instructions for use label.
- ◆ IR Viewing Pane Operator ID labels

Your Local IRISS Agent is:



For more information on IRISS products visit www.iriss.com or contact your local agent