

# Viz-IR Infrared and Visual Inspection Viewing Pane

## Safety and Compliance Made Clear and Easy

Now you can conduct infrared surveys and visual inspection of energized electrical conductors and circuit parts, from a single impact resistant inspection panel, while keeping panel covers and doors closed.

Proper use of the Viz-IR maintains an enclosed and guarded condition between thermographer and energized components.

Therefore, elevated levels of PPE are not required by NFPA 70E, which states (in section 1-100 FPN#1) "Under normal operating conditions, enclosed energized equipment that has been properly installed and maintained is not likely to pose an arc flash hazard."



## Viz-IR Features

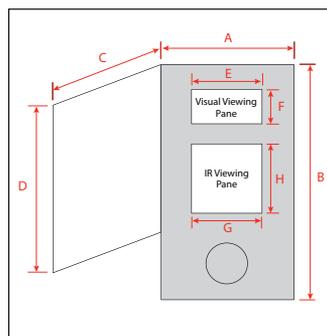
- Infrared inspection and visual inspections combined into one inspection panel for safer, more efficient inspections per 70E standards.
- Only infrared inspection window which also permits visual inspection while complying with IEEE C37.20.2 standards for impact resistant viewing panes mandatory on medium and high-voltage switchgear.
- Add optional factory-fitted Ultrasound Port (for use with ultrasound detectors) to detect corona and tracking faults (part number information below). *Always wear appropriate PPE when opening any port or grill as removal of the port cover negates the "guarded" condition.*
- All installation hardware is concealed behind panel door for added safety.
- All plastic components are switchgear-grade, UL746/UL94 compliant.

## Specifications

Materials	
Panel body	16 gauge steel; powder coat finish
IR viewing pane	Steel reinforced IR transmissive polymer; up to 325°C (617°F)
Visual inspection window	Plexiglas; up to 180°C (356°F)
Sealing gaskets	Silicone-based; up to 250°C (482°F)
Ultrasound port (optional)	Nylon body
Other	
Useful temperature rating	-40°C (-40°F) to 130°C (266°F) as the value
IP65 certified (NEMA 4) in open and closed positions (Ultrasound port IP65 closed; IP2x open)	

## Dimensions

Description	Width	Height
Overall Viz-IR unit	A = 18.9 cm (7.4375 in)	B = 33.7 cm (13.25 in)
Door	C = 18.7 cm (4.375 in)	D = 23.5 cm (9.25 in)
Visual viewing pane	E = 10 cm (3.9375 in)	F = 4.9 cm (1.9375 in)
IR viewing pane	G = 9.2 cm (3.625 in)	H = 9.5 cm (3.75 in)



## Ordering information

Order #	Description	Price
Viz-IR	Visual and IR inspection panel	Call for Pricing
Viz-IR-U	Visual, IR and ultrasound inspection panel	Call for Pricing

Prices effective through December, 2008



For more information visit [www.iriss.com](http://www.iriss.com) or contact your local agent

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