

VPT PLATINUM SERIES

The Next Generation of Infrared Windows

An evolutionary step in infrared (IR) windows, the **Platinum Series VPT** utilizes our exclusive Poly-View System™ technology to allow the use of any thermography camera to monitor electrical equipment.

The world's only clear polymer window provides for visual inspections, traditional IR inspections utilizing cameras across the entire IR spectrum and allows for UV inspections to be performed with a corona camera.

The **Platinum Series VPT** IR windows are industrial-grade with a patented reinforced grill that exceeds high voltage switchgear viewing pane standards.



- Visual
- UV
- Shortwave IR
- Midwave IR
- Longwave IR

Protected by Our Unconditional Lifetime Warranty

Specifications

| Materials | |
|--------------------------|--|
| Window Housing and Cover | UL 94 5VA Nylon (switchgear-grade plastic); -40°C (-40°F) to 273°C (523°F); Easy-Grip™ stainless steel cover |
| Optic | UL 746 compliant, visual, UV and IR transmissive polymer; -40°C (-40°F) to 325°C (617°F) |
| Reinforcing Grill | Aluminum coated with UL 94 5VA Nylon; -40°C (-40°F) to 273°C (523°F) |
| Gaskets | UL 94 5VA TPE; -40°C (-40°F) to 273°C (523°F) |
| Hardware | 316 stainless steel |

| Other | |
|---------------------------|---------------------------------------|
| Useful Temperature Rating | -40°C (-40°F) to 200°C (392°F) |
| Water and Dust Ingress | IP65 / NEMA 4: closed and when in use |

Dimensions

| Model | Body Diameter | Window Diameter | Assembly Thickness |
|---------|-------------------|------------------|--------------------|
| VPT-50 | 9.1 cm (3.6 in) | 5.1 cm (2.0 in) | 2.6 cm (1.0 in) |
| VPT-75 | 12.1 cm (4.8 in) | 7.6 cm (3.0 in) | 2.6 cm (1.0 in) |
| VPT-100 | 15.1 cm (5.95 in) | 10.2 cm (4.0 in) | 2.6 cm (1.0 in) |

Caution: The dimensions listed above are not installation dimensions. Do NOT cut prior to receiving your IRISS window and installation template.

www.iriss.com

Platinum Series VPT Features:

- The world's only clear polymer industrial-grade IR window series
- Poly-View System™ technology enables viewing in the visual, UV and shortwave, midwave and longwave IR spectrums
- Fixed And Stable Transmission (FAST)
- Clear pharmaceutical-grade optics
- Unconditionally guaranteed against transmission loss for accurate qualitative and quantitative analysis
- Durable, fully impact-resistant
- Available in 2", 3" and 4" sizes (actual viewing area)
- Easy-Grip™ stainless steel cover
- Fitting templates and instructions included
- 1.2 cm (0.5 in) port opening complies with IP2x standard for safe maximum hole size in switchgear to prevent accidental insertion of body parts

Certifications:

- Certified by UL in the USA & Canada to the following standards:
 - UL 50V
 - UL 50E
 - UL 746C: Impact and Flammability
 - UL1558: Impact and Load Resistance
 - UL 508A; ANSI UL 508A
- IEEE C37 20.2.a.3.6:
- Impact and Load
- IP65 / NEMA 4
- Lloyds of London Type Approval
- American Bureau of Shipping (ABS)

