

# VPT Platinum Series

## First and Only Round Transparent Polymer IR Window

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 energized electrical equipment.

The world's only clear polymer IR window optic enables 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.

### Poly-View System™



- 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.



### VPT Platinum Series Feature:

- 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)
- Manufactured from non-conductive UL 94 plastics insulated to 30kV/mm
- Easy-Grip™ stainless steel cover
- Reinforcing grills comply with IP2x standard for safe maximum hole size and fail-safe design
- Fitting templates and instructions included

### Certifications:

- Certified by UL (USA) & cUL (Canada) to the following standards:
  - 50V
  - 50E
  - 746C: Impact and Flammability
  - 1558: Impact and Load Resistance
  - 508A; ANSI 508A
- IEEE C37 20.2.a.3.6: Impact and Load
- IP65 / NEMA 4
- Lloyds of London Type Approval
- American Bureau of Shipping (ABS)
- BSI Quality ISO 9001 Certified System
- CSA C22.2 No. 14-13
- DNV (Det Norske Veritas) P261.1E Maritime, Vessel and Offshore Applications