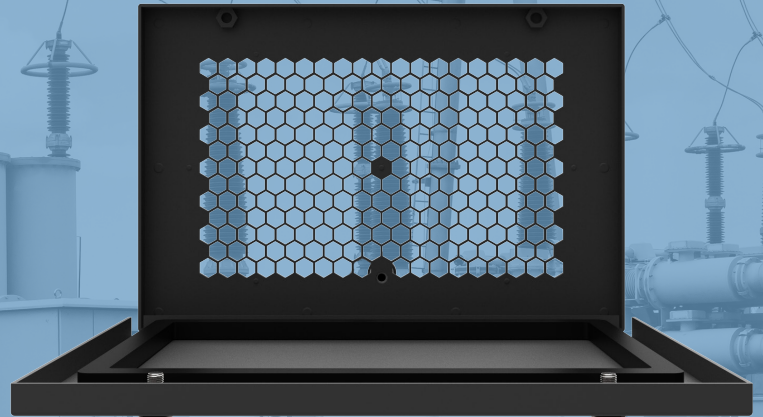


CAP-ENV-PDS Series

The Toughest and Most Reliable IR,
Ultrasound & Partial Discharge Inspection
Window



Look & Listen Simultaneously

Quickly and Safely perform closed
panel inspections of electrical
equipment with Infrared and
Ultrasound

Arc Containment Tested

The CAP-ENV PDS Series was
successfully tested to the IEC
62271-200 standard for arc
containment on metal enclosed
switchgear assemblies.

Improve Your Vision

The large format IRISS CAP series
and custom infrared windows have
a far superior field of view.

The environmentally reinforced CAP-ENV-PDS is a revolutionary inspection window. It combines the power of Thermal Imaging, Visual, UV, Ultrasound and Partial Discharge inspections. Industrial applications require solutions that meet numerous criteria where safety and performance are of the utmost importance. The exclusive pharmaceutical-grade reinforced polymer system allows any thermography camera to monitor completely undisturbed assets inside energized electrical equipment in the visual, UV and shortwave, midwave and longwave IR spectrums.



Specifications

Part Number	CAP-ENV-PDS-4	CAP-ENV-PDS-6	CAP-ENV-PDS-12	CAP-ENV-PDS-18	CAP-ENV-PDS-24
General Specifications					
Overall Height	15.24 cm (6 in)	21.8 cm (8.6 in)	20.6 cm (8.1 in)	22.8 cm (9 in)	21.8 cm (8.6 in)
Overall Width	15.24 cm (6 in)	16 cm (6.3 in)	30.5 cm (12.0 in)	46.5 cm (18.3 in)	61 cm (24.0 in)
IP/ NEMA Environment Rating	IP67 / NEMA 6				
Operating Temperature	-40°C (-40°F) to 273°C (523°F)				
Body Material	Powder Coated Stainless Steel				
Gasket Material	UL 94 5VA TPE; -40°C (-40°F) to 273°C (523°F)				
Hardware Material	316 Stainless Steel				
Voltage Range	Any				
Automatically Grounded	Yes				
Optic Specifications					
Viewing Aperture Height	9.77 cm (3.85 in)	15 cm (5.9 in)	12.7 cm (5.0 in)	14 cm (5.5 in)	15 cm (5.9 in)
Viewing Aperture Width	9.68 cm (3.81 in)	9.1 cm (3.6 in)	23.6 cm (9.3 in)	39 cm (15.4 in)	53 cm (20.9 in)
Optic Material	Poly-View™ UL 746 compliant, visual, UV and IR transmissive polymer; -40°C (-40°F) to 325°C (617°F)				
Optic Reinforcing Grill Material	Stainless Steel Reinforcing Grill (IP22/ IP2x Standard)				
Ultrasonic Receiver Specifications					
Center Frequency	40.0± 1.0KHz				
Bandwidth (-6dB)	2.5KHz				
Capacitance at 1KHz ±20%	2400 pF				
Max. Driving Voltage (cont.)	20 Vrms				
Total Beam Angle -6dB	50° typical				
Receiver Housing Material	Aluminum				
Inspection Capabilities and Applications					
Midwave IR and Longwave IR; Ultraviolet (UV); Ultrasound; Visual Inspection; Medium/High Voltage Applications					
Certifications					
Certified by UL (USA) & cUL (Canada) to the following standards: 50V, 50E, 756C: Impact and Flammability, 746C & 746A-2012, 1558: Impact and Load Resistance, 508A: ANSI 508A					
CSA C22.2 No. 14-13, C22.2 No. 14-10, C22.2 No. 94-M91, C22.2 No.94.1-07, C22.2 No. 94.2-07					
IP67 / NEMA 6					
Lloyds of London Type Approval					
American Bureau of Shipping (ABS)					
DNV (Det Norske Veritas) P261.1E Maritime, Vessel and Offshore Applications					
IEEE C37 20.7 Type 2B, C37 20.2.a.3.6: Impact and Load					
IEC 62271-200, 60262271-200,60298 Appendix A, 60068-2-6:2007, 60068-2-3, 60068-2-78:2012					
Other					
Warranty	Unconditional Lifetime Warranty				

*Caution: These dimensions are not installation dimensions. Do NOT cut prior to receiving your IRISS IR window and installation template. Specifications are subject to change without notice. For the most up-to-date specs, go to www.iriss.com

North America (HQ)
+1 (941) 907 9128

LATAM
+1 (941) 704-4445

EMEA
+44 (0) 1245-399-713

APAC
+1 (941) 524-3340



www.iriss.com