The Toughest, Most Reliable Infrared and Ultrasound Window



Rectangular Outdoor IR Window w/PD Port

12” | 18” | 24”

Look & Listen Simultaneously

The built-in ultrasound inspection port can be used with minimal diffraction and is more effective than scanning the seam on enclosed systems.

Arc Containment Tested

Each inspection window was successfully tested to the IEC 62271-200 standard for arc containment in metal-enclosed switchgear assemblies.

UL listed

This series of inspection windows is UL Listed (E491496), adding safety and security for inspection technicians and maintenance personnel.

One Window. Two Powerful Inspections

The Rectangle Outdoor IR Window w/ PD Port combines the power of thermal imaging with visual and partial discharge inspections in one component. It features an environmentally sealed door design with a large reinforced IR polymer that allows any thermal imager to monitor equipment across the entire visual and IR spectra. It also allows for the monitoring of partial discharge activity through the integrated and versatile ultrasound port. Available in 12”, 18” and 24” size options, these rugged and durable units are suitable for electrical applications where both IR and ultrasound inspections are needed.





SDMyers ACTS 4:12

RECTANGULAR OUTDOOR IR WINDOW W PD PORT

Size	12”	18”	24”
DIMENSIONS			
Overall Width	12.31 in	18.51 in	24.31 in
Overall Height	8.49 in	9.13 in	8.96 in
VIEWING			
Viewing Width	9.13 in	15.41 in	20.20 in
Viewing Height	5.52 in	5.52 in	5.52 in

OPTICAL SPECIFICATIONS

Optic Material	Poly-View™ UL 746 compliant, visual, UV and IR transmissive polymer; -40°C (-40°F) to 325°C (617°F)
Reinforcing Grill	Stainless Steel Reinforcing Grill (IP22/ IP2x Standard)

GENERAL SPECIFICATIONS

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

INSPECTION CAPABILITIES AND APPLICATIONS

Midwave IR and Longwave IR; Ultraviolet (UV); Ultrasound; Visual Inspection; Medium/High Voltage Applications

CERTIFICATIONS

UL Listed (E491496)
UL (USA) and 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
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

WARRANTY

Unconditional Lifetime Warranty

CAUTION IMPORTANT NOTE

The above dimensions are not installation measurements. Do NOT cut equipment prior to receiving your IR window and installation template. For the most up-to-date specs, contact SDMyers.

MADE IN USA

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