

VP-12-US Series

Versatile Port For Ultrasound Inspections



Increased Accuracy

Quickly and Safely perform closed panel airborne Ultrasound inspections of electrical equipment including Switchgear, Switchboards, Panelboards, Transformers, Motor Control Centers and Process Equipment Panels.

Environmental Protection

The VP-12-US Series of products are constructed from switchgear-grade Nylon plastic with an aluminum cover and stainless steel mounting screws. Seamless custom gaskets ensure the NEMA4 / IP65 ingress protection rating is maintained.

UL Listed

Having passed rigorous standards and testing, our inspection windows are UL Listed (E491496). This demonstrates our dedication to continued safety and security in the ever-changing world of electrical power and distribution.

A standard and systematic approach to data collection is essential to establishing a repeatable and reproducible condition-based monitoring program that provides asset Reliability. VP-12-US standardizes the location and method for accessing consistent and quality acoustic data, regardless of the ultrasound technician's experience or enclosure rating. Easily identify potential hazards and faults such as arcing, tracking and corona in electrical distribution systems and switchgear through the VP-12-US. NEMA rated enclosures require only access through the port where technicians can safely collect data on energized equipment in accordance with NFPA 70E safety mandates. The grill allows ultrasound but prevents objects being pushed into the panel.



Specifications

Model	VP-12-US
General Specifications	
Overall Dimensions	6.5 cm (2.6 in) Ø
Overall Thickness	2.6 cm (1.0 in)
IP/ NEMA Environment Rating	IP65 / NEMA 4
Operating Temperature	-40°C (-40°F) to 273°C (523°F)
Body Material	UL 94 5VA Nylon (switchgear-grade plastic); -40°C (-40°F) to 273°C (523°F); aluminum cover
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 Dimensions	1.2 cm (0.5 in) Ø
Backplate Grill Material	UL 94 5VA Nylon (switchgear-grade plastic) Grill (IP22/ IP2x Standard)
Inspection Capabilities and Applications	
Ultrasound; Medium/High Voltage Applications	
Certifications	
UL Listed (E491496)	
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	
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

N. America (HQ)
+1(941)907-9128
info@iriss.com

LATAM/APAC
+1(941)704-4445
info-latam@iriss.com

Europe
+44(0)843-507-0099
info-emea@iriss.com

Qatar
+974-399-24-0-24
info-mena@iriss.com

India
+91-22-4969-0921
info-india@iriss.com



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www.iriss.com