

VP12 World's First Ultrasound Port

Versatile Port for Ultrasound and IR Inspection

A standard and systematic approach to data collection is a hallmark of establishing a repeatable and reproducible condition based monitoring program. The IRISS VP12 provides a standardized location and method for accessing acoustic data. You can now access consistent, quality data regardless of technician experience or enclosure rating.

Ultrasonic detection is a proven technology for identifying faults such as arcing, tracking and corona in electrical distribution systems and switchgear. The IRISS VP12 allows workers to identify potentially hazardous faults during routine inspections. In ventilated switchgear, the ports provide a standardized measurement point; but in NEMA rated enclosures, the IRISS VP12 supplies the only access where technicians can safely collect data on critical energized equipment in accordance with safety mandates found within NFPA 70E.



Note: As when opening any port or grill, proper PPE should be identified and worn, since opening the cover removes the barrier between energized conductors and personnel outside the enclosure.



Specifications

Materials	
Port housing, grill and cover	UL 94 5VA Nylon ("switchgear-grade plastic"); -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
Optional infrared lens (provided standard)	UL 746C compliant, IR transmissive polymer; -40°C (-40°F) to 325°C (617°F)

Other	
Useful temperature rating	-40°C (-40°F) to 200°C (392°F)
Water and dust ingress	IP65 / NEMA 4

Dimensions

Model	Body Diameter	Port Diameter	Assembly Thickness
VP12	6.5 cm (2.6 in)	1.2 cm (0.5 in)	2.6 cm (1.0 in)

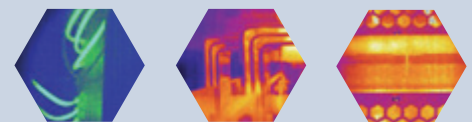
Ordering information

Order #	Description	Price
VP12	Ultrasound port / small target IR window	POA

POA, Price On Application

VP12 Features

- Includes IR transmissive lens for optional (permanent) use as an IR window for small targets or small IR camera lens apertures (maintains IP65/NEMA 4 seal when open)
- 1.2 cm (0.5 in) grill opening complies with IP2X standard for maximum hole size in switchgear to prevent accidental insertion of tools and body parts
- Lockable cover maintains IP65/ NEMA 4 seal when closed
- Manufactured using non-conductive, UL94 switchgear grade plastics, insulated to 30kV/mm
- Impact and flame resistant as per UL and IEEE standards



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