

# 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 a establishing a repeatable and reproducible Condition Based Monitoring program. The VP12 from IRISS provides a standardized location and method for accessing acoustic data. Now consistent, quality data can be accessed 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 VP12 allows workers to identify these potentially hazardous faults during routine inspections and prior to exposing themselves to energized components. In vented gear, the ports provide a standardized measurement point; but in NEMA rated enclosures, they may supply the only access which technicians will have to this valuable data.

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 certified, 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	65 mm (2.6 in)	13 mm (0.51 in)	20 mm (0.79 in)

### Ordering information

Order #	Description	Price
VP12	Ultrasound port / small target IR window	Call for Pricing

Prices are US List and are subject to change without notice; quantity breaks start at 25 units.

### VP12 Features

- Includes IR transmissive lens for optional (permanent) use as an infrared window for small targets or small cameras (maintaining IP65/NEMA 4 seal when open).
- 12.9 mm (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 resistant and flame resistant per UL and IEEE standards.



For more information visit [www.iriss.com](http://www.iriss.com) or contact your local agent

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