



# The VPDS

## Environmental Partial Discharge Sensor Port

Partial Discharge Sensor (PDS) Ports are used in conjunction with a handheld Ultrasound measurement device to allow the end user to take closed panel Ultrasound decibel readings and listen to the audible signals coming from a piece of equipment. In this way, problems like Arcing, Tracking and Corona can be detected without the need for maintenance personnel to wear PPE. The VPDS is a small round version with cover and IP65 (NEMA4) rating for indoor or outdoor applications and has a 3.5mm female adapter for connection to a handheld ultrasound tester. Note that a special adapter cable may be required depending on the brand and model of handheld being used. Adapter cables for SONUS-XT and SONUS-PD are available from IRISS.

### Features



Environmental Design



Durable and Rugged



Unconditional Lifetime Warranty



Proudly Made in the United States

### Embedded 40KHz Airborne Ultrasonic Transducer

Quickly and Safely perform closed panel airborne Ultrasound inspections of electrical equipment including Switchgear, Switchboards, Panelboards, Transformers, Motor Control Centers and Process Equipment Panels. The VPDS has an embedded 40KHz Airborne Ultrasonic Ceramic Transducer with 3.5mm jack socket. It is compatible with IRISS PD and TEV testing devices such as the Sonus XT and Sonus PD, to detect early warning signs such as Arcing, Tracking and Corona.



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## Specifications

Model	VPDS
<b>General Specifications</b>	
NEMA Environment Type	IP65 / NEMA 4
Voltage Range	Any
Operating Temperature	-40°C (-40°F) to 273°C (523°F)
Body and Cover Material	UL 94 5VA Nylon (switchgear-grade plastic); -40°C (-40°F) to 273°C (523°F); aluminum cover
Hardware	316 Stainless Steel
Gaskets	UL 94 5VA TPE; -40°C (-40°F) to 273°C (523°F)
<b>Dimension Specifications</b>	
Overall Dimensions	6.5 cm (2.6 in) Ø
Overall Thickness	2.6 cm (1.0 in)
<b>Inspection Capabilities and Applications</b>	
Ultrasound	Yes
Medium/High Voltage Applications	Yes
Outdoor Applications	Yes
<b>Other</b>	
Warranty	Unconditional Lifetime Warranty

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