

PDS-200 Partial Discharge Simulator

Partial Discharge Verification



PDS-200 PD Simulator

OSENSA's PDS-200 is a handheld partial discharge (PD) simulator designed to verify the operation and sensitivity of OSENSA's PDA-100 and PDX-800 UHF partial discharge monitoring systems. When placed inside a switchgear cabinet near an installed PDA-100 sensor, it generates realistic PD burst patterns to confirm that the sensor, antenna, and entire signal chain are functioning properly during commissioning and routine maintenance.

The PDS-200 features a simple three-button OLED interface that allows users to select a 50 or 60 Hz line frequency, choose from multiple PD patterns, and turn PD generation on or off. When PD generation is active, the display border turns red for clear visual confirmation. Powered by a rechargeable lithium-ion battery with USB-C charging and protected by a silicone cover, the PDS-200 is a rugged, portable tool for field verification of PD monitoring installations.

Product Specifications

Model Name	PDS-200
Product Type	Handheld Partial Discharge (PD) Simulator
Function	Generates simulated PD signals to verify PDA-100 / PDX-800 UHF PD sensor operation and sensitivity
PD Control	PD ON / OFF (display border turns red when PD is active)
PD Patterns	6 selectable patterns (incl. dual-amplitude pulse pattern)
Line Frequency	Selectable 50 / 60 Hz
Display	Color OLED with status indicator
User Controls	3-button menu (up / down / select) + slide power switch
Battery	Internal rechargeable lithium-ion
Charging	USB-C
Battery Life	48 hrs
Operating Environment	-20 to 60 °C
Operating Humidity	0 to 90 % RH
Dimensions	17 cm x 7.5 cm x 3.5 cm (L x W x H)
Weight	300 g
Enclosure	Sealed handheld enclosure with silicone protective cover
Mounting	Handheld

For use with OSENSA PD monitoring systems:

- PDA-100 UHF Partial Discharge Sensors
- PDX-800 UHF Partial Discharge Monitors

TECHNICAL SUPPORT

OSENSA Innovations offers on-site support, commissioning, and training for all of its products. For immediate assistance with any technical issue, please contact support@osensa.com or call 1-888-732-0016.

WARRANTY INFORMATION

OSENSA Innovations stands behind its products and services. All products ship with a full one year repair or replacement warranty. You may also purchase an extended five year warranty. Some conditions apply.

CUSTOM OEM SOLUTIONS

OSENSA offers cost-effective design and consulting services at discounted rates for high-volume OEM customers. Let the engineering team at OSENSA Innovations help you rapidly develop custom probes for your process control application. OSENSA's team has many years of experience designing fiber optic temperature probes for various industrial environments.

FURTHER INFORMATION

For more information on any of our products or services please visit our website: www.osensa.com or email: info@osensa.com.

