

USENS-BT BUSHING PARTIAL DISCHARGE SENSOR



- Bushing PD sensor with wider frequency
- Response range
- HF and UHF frequency response
- Rugged, reliable design
- IP65 rated
- Transient overvoltage protection integrated
- Easy to Install
- Different options of internal diameter dimensions

Usens-BT is suitable for High Frequency (HF) and Ultra High Frequency (UHF) PD signals. The Sensor is designed to be installed on transformer bushing trunk.

Sensor is IP65 rated and features integrated transient overvoltage protection inside sensor. Transient protection will help in minimizing transients that can be expected during PD monitoring.

Rugged and reliable design, IP65 rated, overvoltage protected, PD measurement at Transformer Bushings.

Applications

- Online periodic partial discharge monitoring
- Online PD measurement during HV AC testing
- Multiple point PD monitoring

Benefits

- Transient overvoltage protected
- Noise immunity
- IP65 rated
- Rigorously tested

Technical Specifications

Frequency Response	30MHz - 1500MHz
Sensitivity	up to -70 dBm
Withstand Voltage	up to 1000 kV
Output	N-Type connector; Customized option available
Connector Circuit Impedance	50 Ω
Vibration Testing	Suitable for installation on Transformer Bushings
Ingress Protection (IP)	IP-65
Ambient (Operating Temperature)	-60 °C to +100 °C
Storage Temperature	-60 °C to +100 °C
Operating Humidity	95% humidity at 50 °C
Dimensions	Customized as per Bushing Size
Weight	Customized as per Bushing Size
Install Position	Around Bushing Trunk
Signal Cable	Very low attenuation UHF (Coax) cable

Ordering Code

