

# USENS-C PARTIAL DISCHARGE SENSOR



- Rugged, reliable design
- IP65 rated
- Transient overvoltage protection
- Easy to Install
- Different options of internal diameter dimensions

USENS-C is Ultra High Frequency (UHF) PD sensor for Power cables, Switchgears. The sensor can be installed directly on the power cable and switchgears.

The IP65 rated Sensor has integrated transient overvoltage protection inside. Transient protection will help in minimizing transients that can be expected during PD monitoring.

## Ultra High Frequency PD sensors for Cables and switchgears

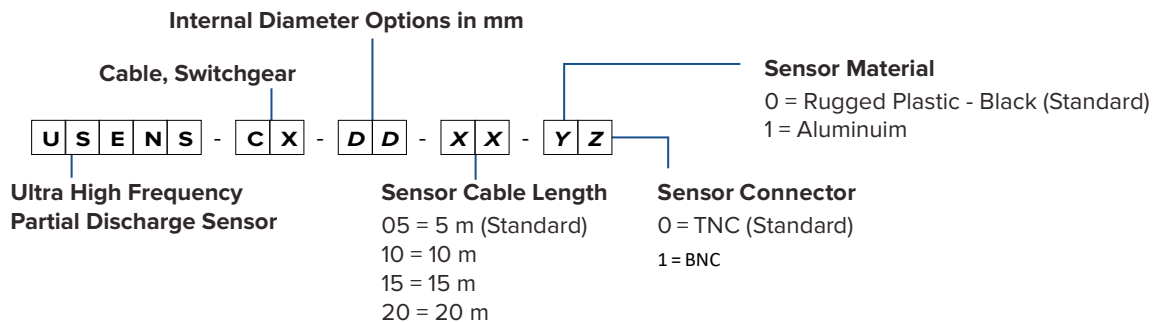
### Applications

- 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

### Ordering Code



## Technical Specifications

Frequency Response	30MHz - 1GHz
Sensitivity	up to -70 dBm
Withstand Voltage	up to 1500 kV
Output	N-Type connector; Customized option available
Connector Circuit Impedance	50Ω
Vibration Testing	Suitable for HV - GIS and Transformer applications
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 customer requirements
Weight	Customized as per customer requirements
Install Position	Power Cables, Terminations, Switchgears, Rotating Machines
Signal Cable	Very low attenuation UHF (Coax) cable

