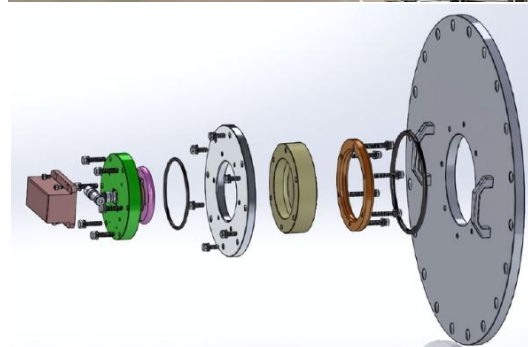
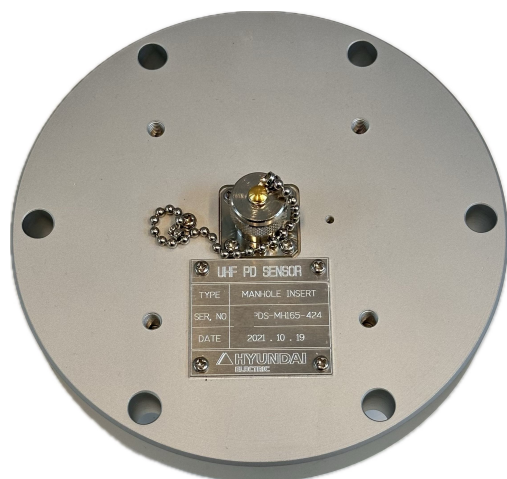


IS-PDS-MH165

UHF Sensor for Transformer Partial Discharge Detection (Manhole Mounted)



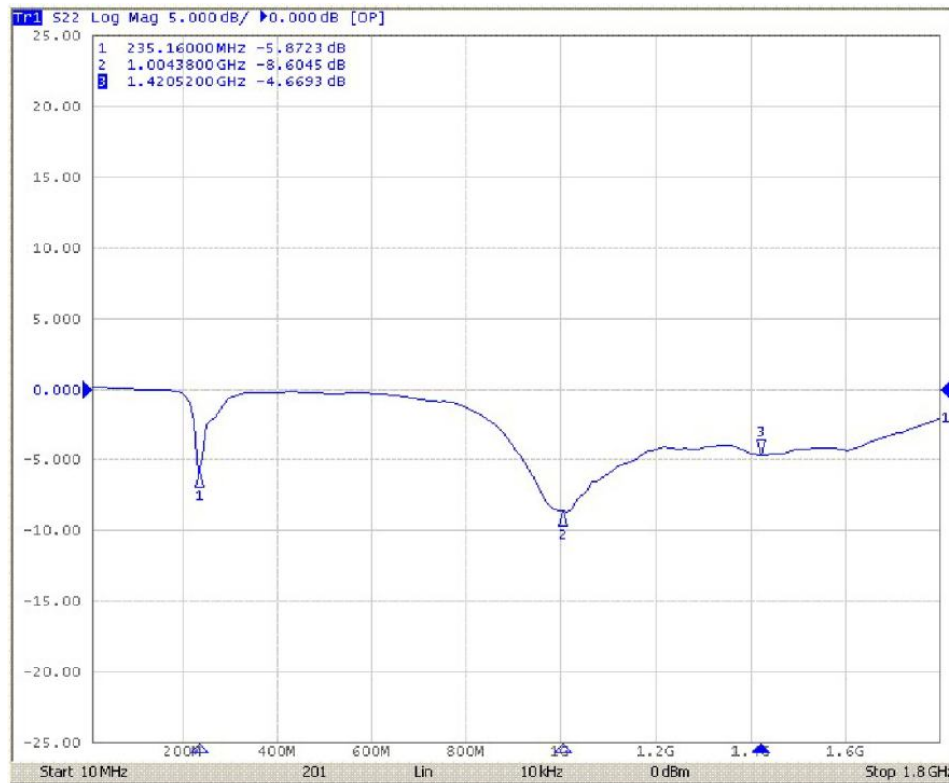
In oil-immersed transformers using insulating materials such as insulating oil, insulating paper, and pressboard, manufacturing defects or aging degradation of the insulation can lead to initial partial discharges. Over time, this can further weaken the dielectric strength, potentially causing unexpected major accidents.

The UHF PD measuring sensor (MS-PDS-MH165) is a manhole-mounted sensor that measures internal partial discharges (Partial Discharge) in transformers by connecting to a system that detects insulation degradation in advance. It detects UHF band partial discharge signals to improve measurement sensitivity and is excellent in reducing external noise.

Technical Specification

Size	Flange Part : $\Phi 165 \times 25$ mm Sensor Part : $\Phi 110$ (Monopole)
Connector	N-type (Female)
Temperature	-55 ~ +70°C
Frequency Range	300MHz ~ 1800MHz
Impedance	50 Ω
Return Loss(S11)	Standard S11 Loss ± 3 dB
Sensor Hydro Pressure	7bar (0.7MPa) JIS F7400

Return Loss(S11)



Features

Real-time condition monitoring of power equipment through real-time partial discharge measurements

Convenient maintenance with installation on the transformer manhole

Enhanced sensitivity and reduced external noise using UHF band measurement method