

## High Frequency Current Transformer Sensor



### 高頻電流感測器特色 (HFCT Sensor)

- ▶ 高頻電流感測器具有高靈敏度，工作頻率範圍10MHz-150MHz。
- ▶ 具扣環設計，可快速安裝於高壓設備的接地線上，檢測局部放電所產生的暫態地電流訊號，適用於在線局部放電監測。
- ▶ 工作頻率範圍最低在10MHz，受現場環境雜訊的干擾較少，提升檢測局部放電的靈敏度。
- ▶ 工作頻率範圍寬，可更完整量測局部放電的波形特徵，提升局部放電的辨識度。
- ▶ 內孔直徑大於40mm，適合安裝於高壓設備(包括發電機、變壓器、高壓配電盤、氣體絕緣開關 (GIS)、電力電纜...等)的接地線上。

### HIGH FREQUENCY CURRENT TRANSFORMER SENSOR (HFCT Sensor)

- ▶ High sensitivity and wide frequencies ranging from 10MHz and 150MHz.
- ▶ Designed to detect transient current of PD signals from the ground wire of HV equipment. Accurate waveform measurements with the wide bandwidth.
- ▶ Lower cutoff frequency at 10MHz reduces external electrical disturbances, increasing the measured signal-to-noise ratio.
- ▶ The aperture diameter is larger than 40mm, suitable for installations on various HV equipment, such as generators, GIS, transformer tanks, cable joints, etc.



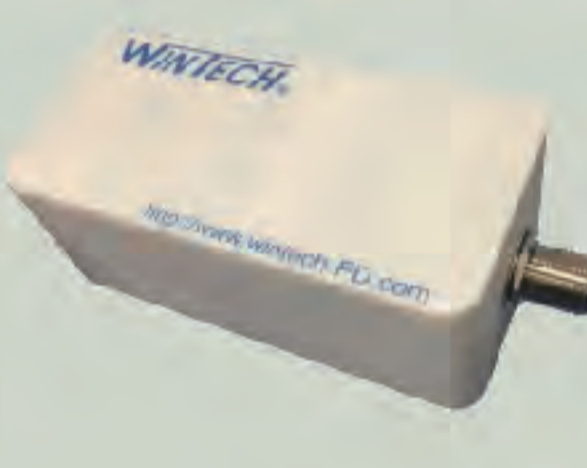

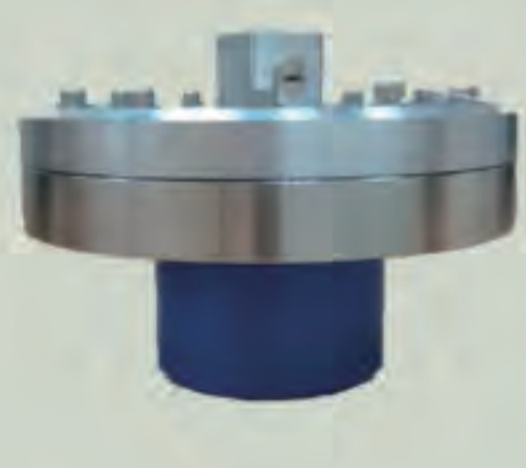
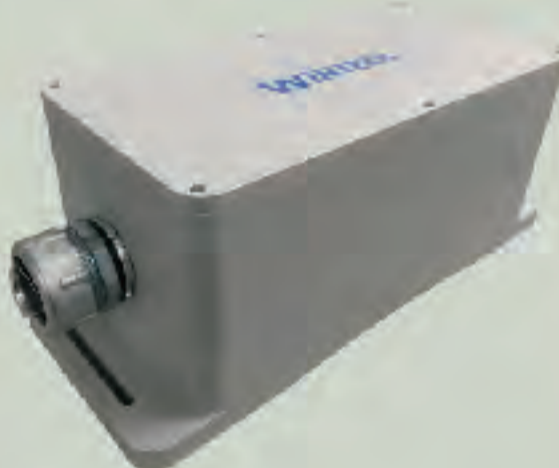


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### 高頻電流感測器技術規格表

型號	HFCT
工作頻帶	10Mhz-150Mhz
轉移阻抗	8 - 10Ω
負載阻抗	50Ω
內孔直徑	41 ± 1 mm
輸出接頭	BNC Female
尺寸(寬x高x厚)	113mm x 113mm x 24.2 mm
重量	600 g

### 局部放電在線監測儀&多重物理量感測器應用於高壓設備對照表

Model	PDD-SA	HFCT	UHF-BB	TEV	UHF-OTS	UHF-GIS
被測設備						
GIS	●	●		●		● Spaser Use
油浸式變壓器	●	●		● 69KV 以下	● 69KV 以上	
模鑄式變壓器	●	●	●			
高壓配電盤	●	●	●			
電力電纜頭	●	●		●		
電力電纜接續匣	●	●		●		
匯流排	●		●	●		
發電機馬達設備	●	●		●		

PD詳細介紹



安裝示意

頻譜響應

