

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 | PD Detector | 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

