



UltraTEV® Plus² UHF Directional Antenna

Technical Specification

The directional antenna simply connects to the UltraTEV Plus² smart accessory port via the UHF receiver, so you can start to take UHF measurements quickly and with ease.

Features include:

- Ideal for outdoor switchyards.
- Easy to use and quick to identify internal PD problems.
- Rugged construction and safe to use around open terminal switchgear.
- Prevents costly and dangerous failures.



UHF Directional Antenna Specifications

HARDWARE MEASUREMENTS

| | |
|------------|--|
| Enclosure | Self-coloured vacuum formed plastic case |
| Indicators | None |
| Controls | None |
| Connectors | 1x BNC signal port |

DIMENSIONS

| | |
|--------|-----------------------|
| Size | 440mm x 440mm x 110mm |
| Weight | 2.1kg |

ENVIRONMENTAL MEASUREMENTS

| | |
|-----------------------|----------------------------|
| Operating temperature | 0 - 55 °C |
| Humidity | 0 - 90 % non-condensing |
| IP rating | 42 (EN 60529) |

*Please note this accessory requires UltraTEV Plus² V8 Hardware or higher and a UHF Receiver.

ANTENNA

| | |
|-------------------------------|--------------------------------------|
| Forward gain | 13.6 dBi at 800 MHz |
| Beamwidth | 40° in E-plane and 50° in H-plane |
| Approximate bandwidth | 100 MHz centred on 800 MHz |
| Maximum sensitivity frequency | 800 MHz |
| Front to back ratio | Approximately 20 dB |
| Mean effective height | 8.24mm (300MHz – 1,500MHz) |
| % effective height above 2mm | 100% (300MHz – 1,500MHz) |
| Radiation pattern | (800 MHz) |

Normalized Radiation Pattern

