



# UltraTEV® Plus<sup>2</sup> UHF Directional Antenna

## Technical Specification

The directional antenna simply connects to the UltraTEV Plus<sup>2</sup> 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 Plus<sup>2</sup> 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

