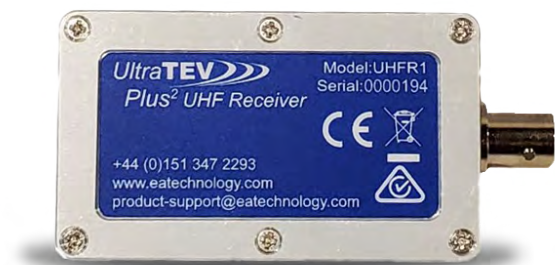# UltraTEV® Plus²
UHF Receiver

Technical Specification

The UHF receiver connects to the UltraTEV Plus² smart accessory port so you can start taking UHF measurements quickly and with ease.

Features include:

- Simply plug the UHF receiver into the smart accessory port of the UltraTEV Plus² to start taking UHF measurements.

- New UHF screens and scan modes are instantly available.

- Use the omnidirectional whip antenna when the source of signal to be measured can be readily determined, regardless of direction.

- Use the optional directional antenna to systematically scan an area to determine the location of PD sources. Ideal for outdoor air insulated substations.

UHF Receiver Specifications

HARDWARE MEASUREMENTS

Enclosure	Aluminium
Indicators	None
Controls	None
Connectors	1x BNC antenna port
	1x LEMO (UltraTEV Plus^2 connection)

DIMENSIONS

Size	81mm x 40mm x 35mm
Weight	0.1kg

POWER SUPPLIES

Power supply	Powered from UltraTEV Plus^2
Supply voltage	5V

ENVIRONMENTAL MEASUREMENTS

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

UHF MEASUREMENT - GENERAL

Modes	Switchable narrowband/ wideband
Resolution	1 dBm
Measurement bandwidth	50Ω

UHF MEASUREMENT - NARROWBAND

Measurement range	-85 – +5 dBm
Tuning frequency	47 – 1000 MHz
Bandwidth	8 MHz
Gain setting	-10 – +40 dB
Accuracy	±2 dB (0 dB gain; -50 dBm – 0 dBm input, 25ºC)

UHF MEASUREMENT - WIDEBAND

Measurement range	-61 – -1 dBm
Bandwidth	5 – 3300 MHz
Accuracy	±2 dB

COMPLIANCE

Electromagnetic compatibility (EMC)	EN 61326-1:2013 (Electrical equipment for measurement, control and laboratory use – EMC requirements. General requirements.)
	EN 61000-6-2:2019 (Electromagnetic compatibility. Generic standards. Immunity standard for inwdustrial environments.)
	EN 55011:2016+A1:2017 (Industrial Scientific and Medical equipment – Radio frequency disturbance characteristics – Limits & methods of measurement)

*Please note this accessory requires UltraTEV Plus^2 V8 Hardware or higher.

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