



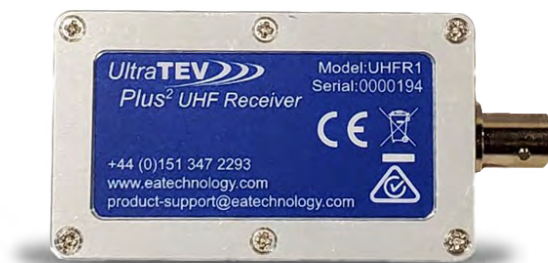
# UltraTEV<sup>®</sup> Plus<sup>2</sup> UHF Receiver

## Technical Specification

The UHF receiver connects to the UltraTEV Plus<sup>2</sup> 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 Plus<sup>2</sup> 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 <sup>2</sup> connection)

## DIMENSIONS

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

## POWER SUPPLIES

Power supply	Powered from UltraTEV Plus <sup>2</sup>
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	50Q

## 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, 25°C)

## 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 in industrial 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<sup>2</sup> V8 Hardware or higher.



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