

Rev 1.0
06.04.2013

Active Differential Probe ADP1

Conductive EMC measurements from DC to 30MHz

References

- ◆ Fraunhofer FHR in Wachtberg, Germany
- ◆ Siemens AG in Berlin, Germany
- ◆ Schweizerische Bundesbahn in Bern, Switzerland
- ◆ Deutsche Flugsicherung in Langen, Germany
- ◆ Fachhochschule Südwestfalen in Iserlohn, Germany
- ◆ Technical University in Dresden, Germany
- ◆ Daimler AG in Sindelfingen, Germany
- ◆ EnBW in Neckarwestheim, Germany
- ◆ Johannes-Gutenberg University in Mainz, Germany
- ◆ Hochschule Harz in Wernigerode, Germany



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Details

Active Differential Probe ADP1

The ADP1 expands the measurement range of the SPECTRAN NF-5030 to 240V. It is a „must have“ for any conductive measurement e.g. DSL, power line, circuits etc.

The ADP1 offers a potential free measurement, with this probe the signal will not be influenced. It also protects the SPECTRAN Spectrum Analyzer input against high voltages up to 1400V (CAT3). It is ideally suitable for direct cable measurements on DSL, ADSL, VDSL, free running oscillators, mains and many more.

Included in delivery is a special grounding kit which protects the unit against static electricity (ESD) which is very important for long time measurements.

The Probe can be used with the internal cells (4x AA) or, for long time measurements, with an optional mains adapter (not included).

Every Differential Probe goes through rigorous testing in our laboratories before shipment.



The ADP 1 used with the SPECTRAN NF-5030 for DSL measurements

Technical data

- ◆ **Perfectly fits to SPECTRAN NF-5030 Spectrum Analyzers**
- ◆ **Design:** Active Differential Probe
- ◆ **Frequency range:** DC - 30MHz
- ◆ **Attenuation ratio:** 1:20 and 1:200
- ◆ **Input impedance:** 4M Ω / 5,5pF
- ◆ **Rise Time:** 14nS
- ◆ **Accuracy:** +/- 2%
- ◆ **Max. Input Voltage at 1:20:** 140V Differential / 1400V (CAT III)
- ◆ **Max. Eingangsspannung bei 1:200:** 1400V Differential / 1400V (CAT III)
- ◆ **Noise:** 0,7mV RMS
- ◆ **CMRR (typical):** -80dB @50Hz, -60dB @20kHz
- ◆ **RF connection:** SMA (m)
- ◆ **Power requirements:** 4x AA cells (included) or external 6-9V DC power supply
- ◆ **Dimensions:** 170x62x20mm
- ◆ **Weight:** 430gr
- ◆ **Warranty:** 10 years



Included in delivery