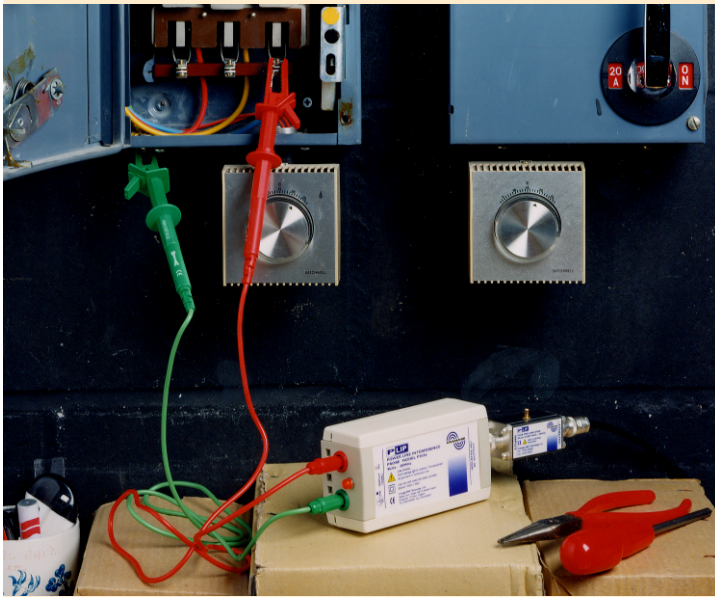


# POWER LINE INTERFERENCE PROBE

PLIP

## Measure conducted emissions without a LISN

- ▼ Complete conducted emissions transducer kit
- ▼ Complies with CISPR16 voltage probe requirements
- ▼ Complies with safety standard IEC1010
- ▼ Can be used with any spectrum analyser or receiver
- ▼ Ideal for use when EUT requires high current supply or when there are difficulties in connecting a LISN into the circuit
- ▼ Can be used on AC or DC lines up to 275V AC rms, line to earth. Note, this includes standard 440V 3 phase supplies



**COMPLIANCE** The PLIP is designed to comply with the CISPR16 requirements for a voltage probe. The design incorporates several features that are in addition to the basic CISPR16 specifications. These offer three major advantages:

**SAFETY** Complete galvanic isolation for protection against line voltages.

**SENSITIVITY** The PLIP incorporates a 30dB RF Amplifier. This results in a nominal antenna factor (insertion loss) of 0dB, against that of a 'conventional' voltage probe of 30dB.

**PROTECTION** The PLIP features signal filtering with transient limiter and output clamping. The net result is that any analyser or receiver connected to the output of the PLIP is protected against damage due to high or transient signal conditions.

### Each PLIP is supplied with

- PLIP main unit
- 30dB amplifier
- Mains power adaptor for amplifier
- Output lead (BNC termination)
- Input leads with fused safety probes and detachable 12mm capacity spring clamps
- Carry case and manuals

### SPECIFICATION

Compliance	To CISPR16 (para. 12.2) voltage probe
Frequency range	9KHz - 30MHz
Input voltage	275V AC 50/60Hz 380V DC
Input current	63mA AC 50Hz (nom) 0.8mA DC max
Input impedance	1500ohms
Output impedance	50ohms
Input dynamic range	70dB
Overall insertion loss	0 ±2dB
Voltage indicator	Neon, 70V min operating threshold
Test probes	Double insulated GS38 and IEC1010 complaint, fitted with 440V 33kA fuse rated at 500mA
Isolation	1kV max
Output connector	BNC
Power	230V 50Hz mains adaptor produces 12V DC 80mA for amplifier 115V 50Hz option

### PHYSICAL

Temperature range	-5°C to 55°C
Relative humidity	20% to 80%
Carry case size	35cm x 25cm x 9cm
Carry case weight	less than 2kg

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