LOW DISTORTION POWER SOURCE AC1000

Provides clean mains waveform for IEC61000-3-2 harmonic measurement

▼ **Fully meets the requirements for compliance testing of harmonics**

▼ **Innovative, low cost technique**

▼ **Will provide up to 1kW (4.4A rms) at 230V**

▼ **10Amp peak capacity**

The harmonics standard IEC61000-3-2 specifies that to measure the harmonic performance of a product, a pure, harmonic free supply should be used. Generally, the public mains supply will not meet the requirements of this standard. The AC1000 uses innovative techniques to correct the incoming mains supply and provide a mains source that complies with the requirements of the standard.

This then permits full compliance standard testing of products.

The AC1000 does not recreate the supply, merely 'adjusts' the waveform as required. The frequency and fundamental voltage are therefore identical to the incoming mains. A Direct/Corrected switch enables the user to observe the harmonic content of the mains supply before and after correction.

SPECIFICATION

Input voltage:	Factory set to 230V/50Hz, 230V/60Hz,
Output voltage:	Tracks the amplitude of the input voltage fundamental.
Output distortion:	Dependent on the purity of the input but will generally meet the requirements of IEC61000-3-2 (0.1% THD max)
Output current:	Maximum continuous output is 4.4Amp
Maximum output power:	Input voltage x 4.4 A
Input connection:	IEC connector, front panel on/off switch
Output connection:	UK, Schuko or other national outlet power socket
Output Mode:	Switch to select Direct or Corrected
Protection:	Thermal trip selects Direct mode in event of a thermal overload
Operating range:	5 to 35 °C at full rated output
Storage range:	-40 to +70 °C
Environmental:	Indoor use at altitudes to 2000m Pollution Degree 2
Safety:	Complies with EN61010-1
EMC:	Complies with EN61326-1
Size:	307 x 105 x 225mm (W x H x D)
Weight:	5kg