

## AFJ VWL 1530 Van Veen Loop Antenna

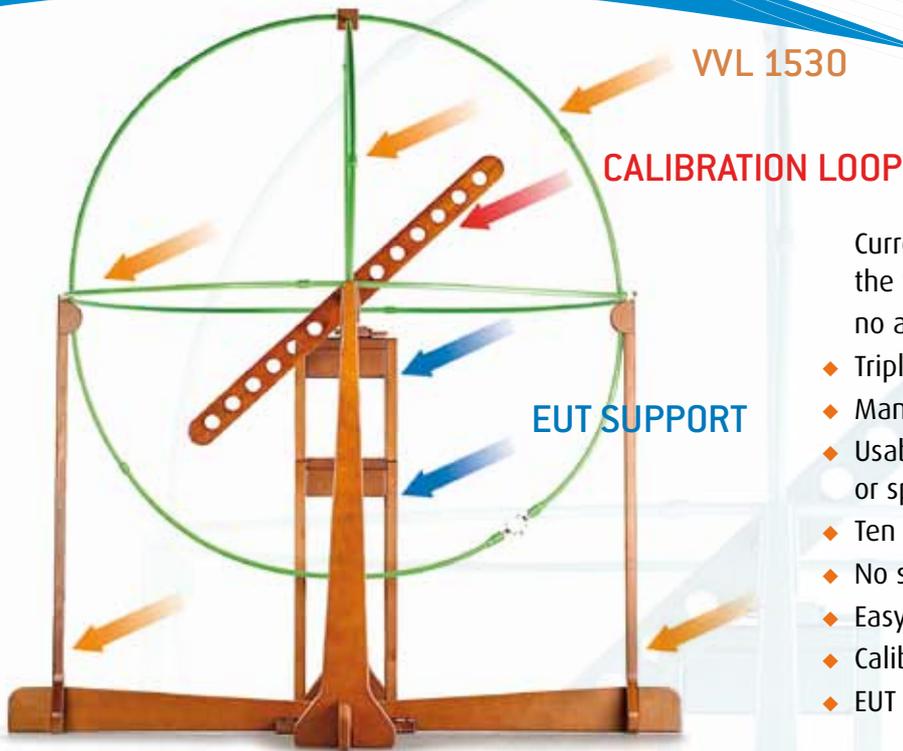
CISPR 15 radiated electromagnetic disturbances measurement in the frequency range from 9kHz to 30MHz are applicable to any luminaries which requires disturbance voltage tests and supplies the lamps at frequencies in excess of 100Hz. The test is performed within an enclosed loop antenna of 2m loop diameter. Antennas of this type are known as a Van Veen Loop as defined on CISPR 16-1-4 and consist of three orthogonal loops enclosing a platform where the EUT is positioned.

VWL 1530 is a calibrated 2-metre large Van Veen Loop antenna designed and manufactured to comply with CISPR 15 and CISPR 16-1-4 requirements. The current probes around the inner conductor of each coaxial antenna-cables have a sensitivity of 1V/A over the frequency range from 9kHz to 30MHz, so no antenna factor is needed to use during measuring. The calibrated frequency range is 9kHz to 30MHz.



VWL 1530 is a complete 3-axis antenna with a manual switching unit to select each loop in turn. The loops are 2m in diameter with the lowest point 0.5m above ground and are fitted with specially designed current transducers in fully screened housings. Environment interference is strongly suppressed in open area measurements.

## VVL 1530



- Current probes with sensitivity of 1V/A over the frequency range from 9kHz to 30MHz, no antenna factor is needed
- ◆ Triple independent 2m diameter loops
  - ◆ Manual switching unit for loop selection
  - ◆ Usable with any brand CISPR 16-1-1 EMI receiver or spectrum analyzer
  - ◆ Ten minutes to assembly and disassembly
  - ◆ No screws
  - ◆ Easy to store
  - ◆ Calibration loop (optional)
  - ◆ EUT support (optional)

### TECHNICAL SPECIFICATIONS

<b>Design:</b>	Fully compliant to CISPR 15 and CISPR 16-1-4 standards
<b>Frequency range:</b>	9kHz÷30MHz
<b>Loops:</b>	Triple independent 2m diameter loops, switchable among X, Y, Z
<b>Loop selector:</b>	Manual switching unit
<b>Output impedance:</b>	50Ω
<b>Connector:</b>	N female
<b>Operating temperature:</b>	0° to 45°C
<b>Storage temperature:</b>	-20° to 70°C
<b>Dimensions:</b>	2,6 x 2,1 x 2,1 m (height Z / width X / width Y)

*Subject to change without notice.*

### RELATED PRODUCTS

#### AFJ EMI RECEIVERS

FFT 3010 f=9kHz÷30MHz

R3030 f=9kHz÷300MHz

