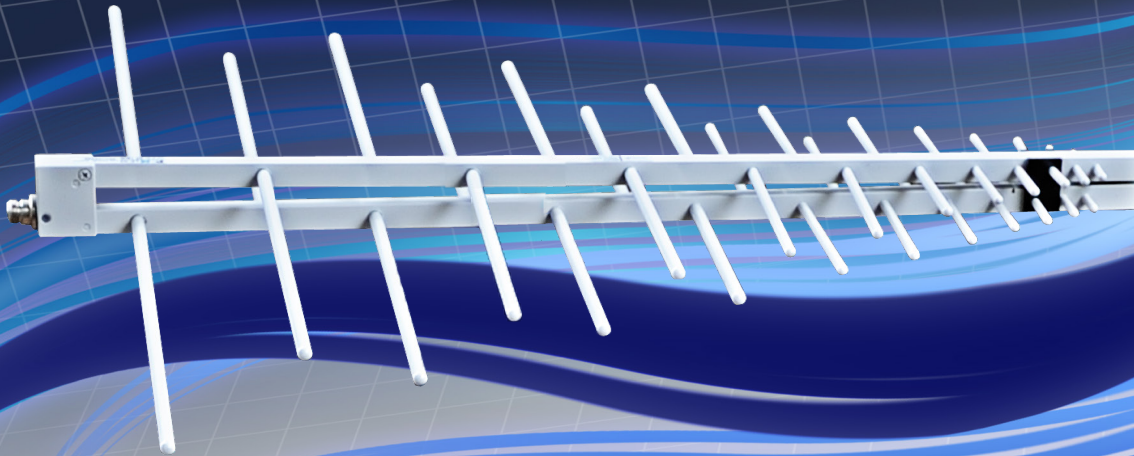


# LP-02

Log-periodic antenna 200 MHz to 3 GHz



## Main Features

- 200 MHz to 3 GHz frequency range
- Excellent antenna factor
- Tripod adapter for easy vertical-horizontal polarization change
- Individual calibration
- Robust, rustproof aluminium construction
- Lightweight

LP-02 is a log-periodic antenna designed for radiated emissions and immunity testing that can be used in conjunction with any receiver or spectrum analyzer.

Its ideal companion is the EMI Receiver Unit 9030 or 9060, which can be easily mounted on the antenna mast.\*

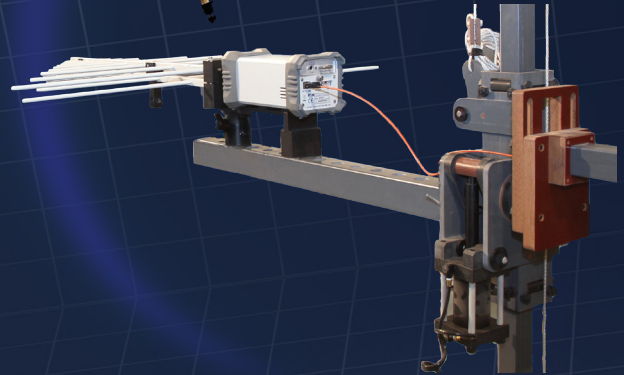
\*The direct connection between antenna and PMM receiver eliminates additional sources of uncertainties due to coaxial cable attenuation and scattering. For further information please consult our brochure "Fully CISPR-Compliant Digital EMC/EMI receivers 10 Hz to 18 GHz".

# LP-02

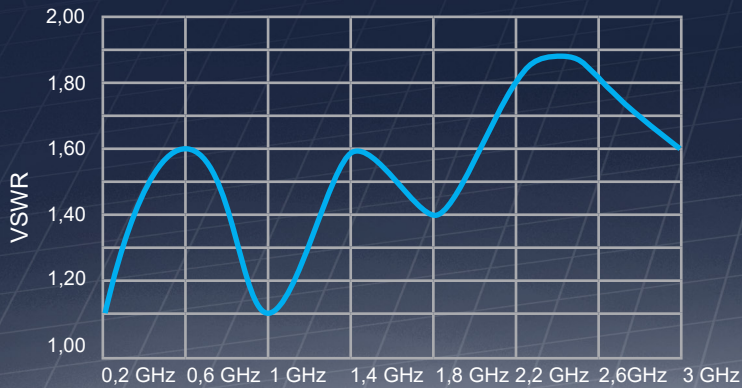
## Log-periodic antenna 200 MHz to 3 GHz

### SPECIFICATIONS

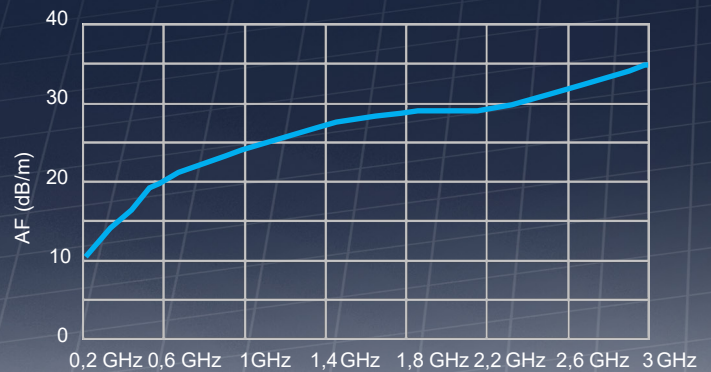
Frequency range	200 MHz to 3 GHz
Impedance	50 $\Omega$ nominal
Gain	6 dBi typical
Antenna factor	13 to 36 dB/m typical
VSWR	< 2:1 (1,2:1 typical)
Construction	Aluminium
Max input power	100 W up to 1 GHz 50 W up to 3 GHz
Connector	N female
Dimensions (L x H x W)	700 x 100 x 860 mm
Weight	1,1 kg
Colour	RAL 7035



LP-02 with 9030



LP-02 - VSWR



LP-02 - Antenna Factor @ 10m

### Ordering information:

LP-02 Log-periodic Antenna with individual calibration report  
LP-02/TC Log-periodic Antenna with typical calibration report  
Includes: user's manual, soft carrying case, calibration report

### Optional accessories:

TR-01 set includes:  
TR01 60-180 cm wooden column extendable tripod, antenna mounting adapter to change polarization, soft carrying case, 5 meter / 6 GHz / N(m)-N(m) RF cable, Antenna Mounting kit AMK-01

## Related products and services

### Receivers

- 7010/01: EMI Receiver 9 kHz to 1 GHz
- 7010/03: EMI Receiver 9 kHz to 3 GHz
- ER8000/00 EMI Receiver 9 kHz to 30 MHz
- ER8000/01 EMI Receiver 9 kHz to 3 GHz
- ER9000/00 EMI Receiver 10 Hz to 30 MHz
- ER9000/01 EMI Receiver 10 Hz to 3 GHz
- 9010F: EMI Receiver 10 Hz to 30 MHz
- 9010/03P: EMI Receiver 10 Hz to 300 MHz
- 9010/30P: EMI Receiver 10 Hz to 3 GHz
- 9010/60P: EMI Receiver 10 Hz to 6 GHz
- 9030: EMI Receiver 30 MHz to 3 GHz
- 9060: EMI Receiver 30 MHz to 6 GHz
- FR4003: Field Receiver 9 KHz to 30 MHz

### Antennas

- BC-01: Biconical Antenna 30 to 200 MHz
- BL-01: Biconical Log Periodic Antenna 30 MHz to 6 GHz
- DR-01: Double-ridged Horn Antenna 6 to 18 GHz
- LP-03: Log Periodic Antenna 800 MHz to 6 GHz
- LP-04: Log Periodic Antenna 200 MHz to 6 GHz
- TR-01: Antenna Tripod
- VDH-01: Van der Hoofden Test Head 20 kHz to 10 MHz
- Antenna Set AS-02 (BC01+LP02+TR01)
- Antenna Set AS-03 (BC01+LP02+LP03+TR01)
- Antenna Set AS-04 (BC01+LP04+TR01)
- Antenna Set AS-05 (BC01+LP04+DR01+TR01)
- Antenna Set AS-06 (BC01+LP-02+LP03+DR01+TR01)
- Antenna Set AS-07 (BL01+TR01)
- Antenna Set AS-08 (BL01+DR01+TR01)
- RA-01: Rod Antenna 9 kHz to 30 MHz
- RA-01-HV: Rod Antenna 150 kHz to 30 MHz
- RA-01-MIL: Rod Antenna 9 kHz to 30 MHz

### Calibration services

- Ansi 63,5 Antenna Factor
- SAE ARP 958-D
- Free-Space Antenna Factor