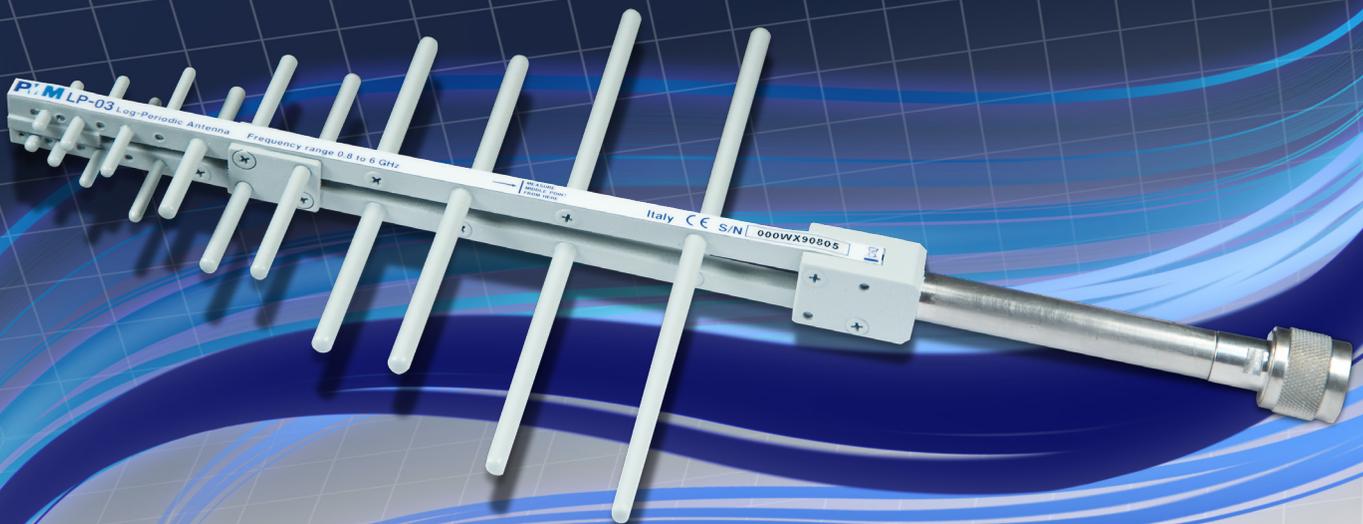


# LP-03

Log-periodic antenna 800 MHz to 6 GHz



## Main Features

- 800 MHz to 6 GHz frequency range
- Excellent antenna factor
- Tripod adapter for easy vertical-horizontal polarization change
- Individual calibration
- Robust, rustproof aluminium construction
- Lightweight

LP-03 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 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-03

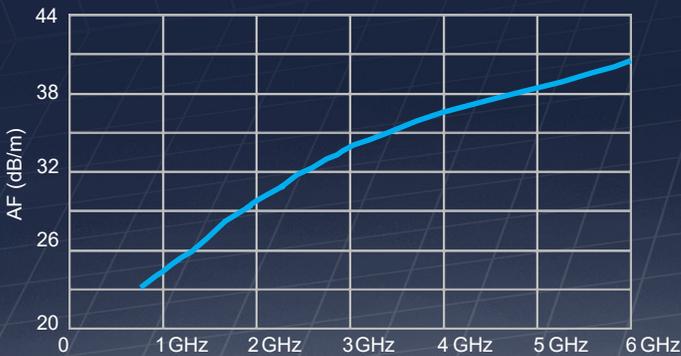
## Log-periodic antenna 800 MHz to 6 GHz

### SPECIFICATIONS

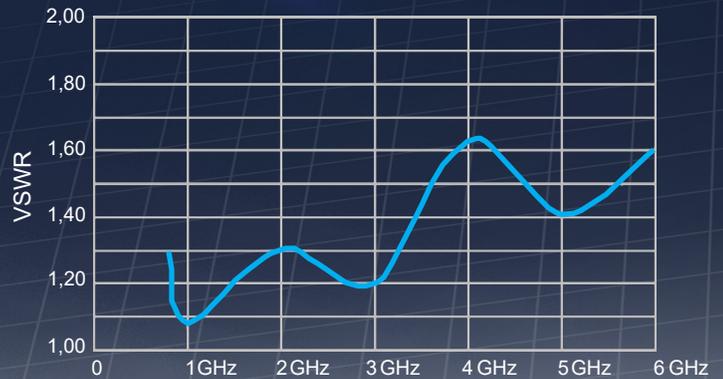
Frequency range	800 MHz to 6 GHz
Impedance	50 $\Omega$ nominal
Gain	6 dBi typical
Antenna factor	23 to 40 dB/m typical
VSWR	< 1,7:1 typical
Construction	Aluminium
Max input power	75 W
Connector	N male (LP-03)
Dimensions (L x H x W)	325 x 81 x 187 mm
Weight	250 g
Colour	RAL 7035



LP-03 and tripod



LP-03 - Antenna Factor



LP-03 - VSWR

### Ordering information:

LP-03 Log-periodic Antenna N-male, with individual calibration report  
LP-03/TC Log-periodic Antenna N-male, with typical calibration report  
Includes: user's manual, soft carrying case, mounting support, calibration report, N(f)-N(f) adapter

### 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-02: Log Periodic Antenna 200 MHz to 3 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