

AS-03

Antenna Set 30 MHz to 6 GHz



Main Features

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

AS-03 is a compact size broadband Antenna System composed of a BC-01 Biconical Dipole, LP-02 and LP-03 Log Periodic Dipole Array designed for radiated emissions and immunity testing.

It can be used in conjunction with any receiver or spectrum analyzer.

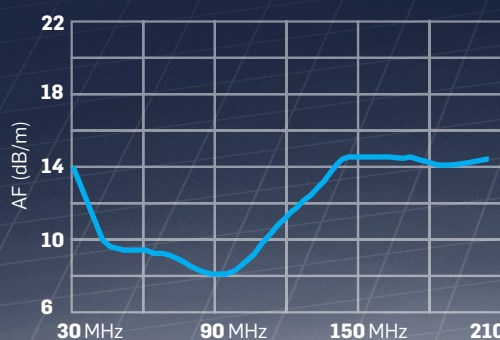
Its ideal companion is the EMI Receiver Unit 9060 that can be easily mounted on the antenna mast (*).

(*)The direct connection between antenna and PMM Receiver Unit 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".

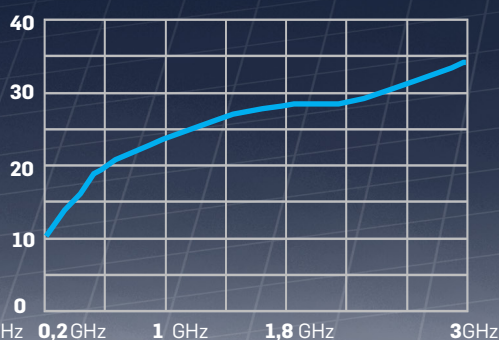
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SPECIFICATIONS	BC-01	LP-02	LP-03
Frequency range	30 to 200 MHz	200 MHz to 3 GHz	800 MHz to 6 GHz
Gain	-15 +2 dBi typical	6 dBi typical	3,5 to 6,5 dBi typical
Antenna factor	8 to 14 dB/m typical	13 to 36 dB/m typical	23 to 42 dB/m typical
Max input power	100 W	100 W up to 1 GHz 50 W up to 3 GHz	75 W
Connector	N-female	N-female	N-male (LP-03) N-female (LP-03/F)
Dimensions (L x H x W)	65 x 65 x 137 cm	70 x 10 x 86 cm	32,5 x 8,1 x 18,7 cm
Weight	1,8 kg	1,1 kg	0,25 kg
Colour	RAL 7035		
Impedance	50 Ω nominal		
Construction	Aluminium		



BC-01 - Antenna Factor



LP-02 - Antenna Factor



LP-03 - Antenna Factor

Ordering Information:

AS-03 antenna set 30 MHz to 6 GHz with individual calibration reports.
AS-03/TC antenna set 30 MHz to 6 GHz with typical calibration reports.
 Includes: BC-01 biconical antenna; LP-02 Log-periodic antenna; LP-03 Log-periodic antenna; TR-01 wooden tripod; RF cable, 3 GHz, N(m)-N(m), 5 m; N(f)-N(f) adapter; Soft carrying case; Operating manual; Calibration reports*.

Optional accessories:

Additional TR-01 Wooden tripod extensible 60 - 180 cm with antenna mounting adapter for fast horizontal to vertical polaritazion changing.
 Additional RF cable, 3 GHz, N(m)-N(m), 5 m.

* Individual calibration reports are provided with AS-03.
 AS-03/TC does not include individual calibration but typical antenna factor.

Related Products

Receivers

- 7010/00: EMI receiver 150 kHz to 1 GHz
- 7010/01: EMI receiver 9 kHz to 1 GHz
- 7010/03: EMI receiver 9 kHz to 3 GHz
- 9010: EMI receiver 10 Hz to 30 MHz
- 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

Antennas

- DR-01: Double-ridged horn antenna 6 to 18 GHz
- TR-01: Antenna Tripod
- VDH-01: Van der Hoofden test-head 20 kHz to 10 MHz
- RA01: Rod Antenna 9 kHz to 30 MHz
- RA01-HV: Rod Antenna 150 kHz to 30 MHz
- RA01-MIL: Rod Antenna 9 kHz to 30 MHz

Calibrations service

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



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