# AS-02 Antenna Set 30 MHz to 3 GHz

# **Main Features**

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

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

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

Its ideal companion is the EMI Receiver Unit 9030 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".





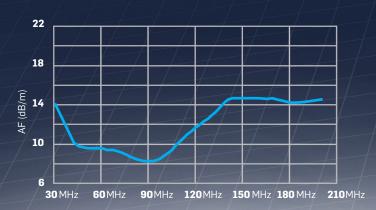
Construction

### Antenna set 30 MHz to 3 GHz

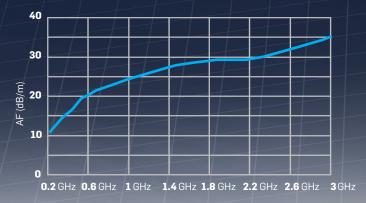
	SPECIFICATIONS	BC-01		LP-02	
	Frequency range	30 to 200 MHz		200 MHz to 3 GHz	
	Gain	-15 +2 dBi typical		6 dBi typical	
	Antenna factor	8 to 14 dB/m typical		13 to 36 dB/m typica	ıl
	Max input power	100 W		100 W up to 1 GHz	
			<del>\-\</del> -	50 W up to 3 GHz	
	Connector	N-female		N-female	
	Dimensions LxHxW	65 x 65 x 137 cm		70 x 10 x 86 cm	1
	Weight	1,8 Kg		1,1 Kg	*
	Colour RAL 70		RAL 703	5	
	Impedance 50		50 Ω nor	nominal	

**Aluminium** 





BC-01 - Antenna Factor @ 10m



LP-02 - Antenna Factor @ 10m

### **Ordering Information:**

Biconical antenna BC-01 with individual calibration report Biconical antenna BC-01/TC with typical calibration report Log-periodic Antenna LP-02 with individual calibration report Log-periodic Antenna LP-02/TC with typical calibration report Includes: Operating Manual, Soft Carrying Case, TR-01 Wooden tripod extensible with mounting support , Calibration Reports, RF Cable lenght 5 m

### Optional accessories:

TR-01 Wooden tripod extensible 60 - 180 cm with antenna mounting adapter for fast horizontal to vertical polaritazion changing RF Cable/5 RF cable, N-N connector, lenght 5 m

## **Related Products**

### Receivers

- 7010/00: EMI receiver 150 kHz to 1 GHz
- 7010/01: EMI receiver 9 kHz to 1 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
- · LP-03: Log Periodic Antenna 800 MHz to 6 GHz
- · TR-01: Antenna Tripod
- VDH-01: Van der Hoofden test-head 20 kHz to 10 MHz
- Antenna Set AS-03 (BC01+LP02+LP03+TR01)

E-Mail: nardait.support@L-3com.com

- · 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

Internet: www.narda-sts.it





Calibrations service

· Ansi 63.5 Antenna Factor

· Free-Space Antenna Factor

SAE ARP 958-D

AS02-FEN-40102 - Specifications subject to changes without prior notic