

EMC Wideband Antenna MTA-20-300

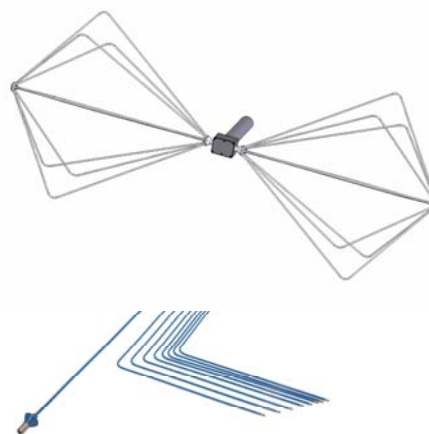
MTS-No. 65.10.0010

Application

For the measurement of radio disturbances the standard CISPR 16 1-4 demands polarized wideband antennas. The antenna may not influence the total characteristics of the measurement receiver und must be alignable into it's polarization direction.

Description

The EMC Wideband Antenna type MTA-20-300 fulfills the requirements of the CISPR 16-1-4 for the frequency range of 20 MHz to 300 MHz. The biconical antennas are demountable for transportation.



Technical data

1 RF-specifications:

1.1 Impedance	50 Ω nom.
1.2 Frequency range	20 MHz to 300 MHz
1.3 VSWR input	80 MHz - 300 MHz <1 : 2,0 20 MHz - 80 MHz >1 : 2,0
1.4 Gain	0 dBi typ.
1.5 Power handling	100 W (CW) 200 W (Peak)
1.6 Polarization	linear, manual changeable
1.7 Technology	Biconical antenna

2 Connectors:

2.1 Antenna	N female
2.2 Tripod socket	5/8"-thread (tripod), bore holes 10 mm (4 pcs..)

3 General specifications:

3.1 Operating temperature	+5 °C to +60 °C
3.2 Storage temperature	-30 °C to +70 °C
3.3 Reference temperature of specifications	+5 °C to +60 °C

3.4 Dimensions	1335 mm x \varnothing 575 mm (assembled), 650 mm x 285 mm (transportation measure)
3.5 Material	Aluminium
3.6 Colour	Powder-coating RAL 5012
3.7 Weight	1,7 kg

4 Delivered parts:

MTA-20-300
Tripod attachment
CD-ROM with VSWR diagram and correction values

5 Comments:

Warranty	12 months
RoHS compliant	Yes
Intervall of calibration	12 months

6 Recommended accessories:

Measurement cable assemblies
Tripod
Preamplifier