

## EMC Wideband Antenna MTA-20-300

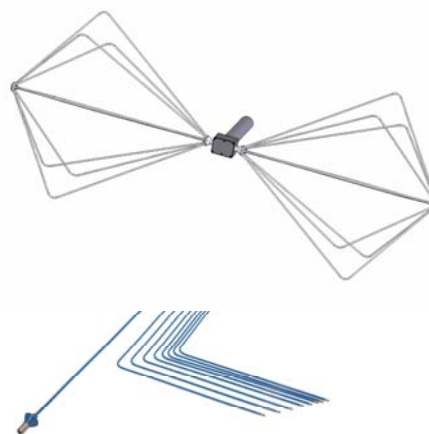
MTS-No. 65.10.0010

### 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 $\Omega$ 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