

## EMC Wideband Antenna MTA-300-3000

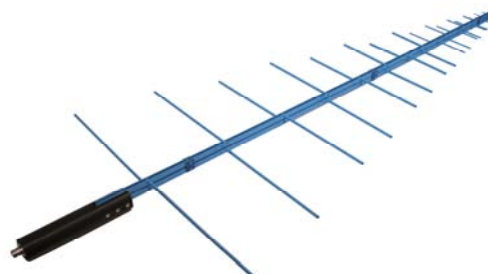
MTS-No. 65.10.0020

### 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 and must be alignable into its polarization direction.

### Description

The EMC Wideband Antenna type MTA-300-3000 fulfills the requirements of the CISPR 16-1-4 for the frequency range of 300 MHz to 3000 MHz.



### Technical data

#### 1 RF-specifications:

1.1 Impedance	50 $\Omega$ nom.
1.2 Frequency range	300 MHz to 3000 MHz
1.3 VSWR input	<1 : 1,75
1.4 Gain	8 dBi typ.
1.5 Power handling	500 W (CW) 1000 W (peak)
1.6 Polarization	Linear, manual changeable
1.7 Technology	Logarithmical periodical

#### 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 (without connections)	1400 x 610 x 40 mm
3.5 Material	Brass
3.6 Colour	Powder-coating RAL 5012
3.7 Weight	2,0 kg

#### 4 Delivered parts:

MTA-300-3000  
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