

art. AP2000

biconical antenna (from 60 MHz to 2500 MHz)

AP2000 is a biconical antenna that measures radiated emission and environment exposure measurement (elettromog) to the radio frequencies in proximity of radio and television stations and repeaters for mobile telephone Tetra, GSM and UMTS.

AP2000 kits includes

- Biconical antenna AP2000
- Calibration certificate (containing SWR and K factors)
- 10 m coaxial cable (art. **OCF010**)
- 54.7° angular orthogonal support (art. **SUPPORTOAP**)

Accessories available on demand

- Wooden tripod (art. **AT_WOODENTRIPOD**)
- EMF measurement software (art. **SW3000**)

Physical characteristics

- Dimensions 200 mm (dipole) x 250 mm x 90 mm
- Weight 2.4 kg
- Connectors N(f)
- Protection level IP 42
- Temperature from -30°C to +55°C
- Humidity max 95% at 40°C

Electrical characteristics

- Antenna type biconical (passive device)
- Polarization monoaxial
- Frequency range from 60 MHz to 2500 MHz
- Maximum field > 300 V/m
- Sensivity > 0.5 mV/m
- Cross-polar rejection > 22 dB
- Isotropic error

up to 1500 MHz	< 0.5 dB
from 1500 MHz to 2200 MHz	< 0.9 dB
from 2200 MHz to 2500 MHz	< 1.2 dB
- Balun symmetry

from 60 MHz to 80 MHz	< 0.6 dB
from 80 MHz to 2500 MHz	< 0.2 dB

Materials

- Dipole blue anodized aluminium
- Balun brass
- Enclosure plastic material



Typical antenna factor (k)

