



## Antenna Mast MA4000-DG

|                            |                                                                         |
|----------------------------|-------------------------------------------------------------------------|
| Antenna height             | 1.0 to 4.0 m                                                            |
| Total mast height          | max. 4.6 m                                                              |
| Material                   | PVC + fibre glass, weatherproof                                         |
| Mast cross-section         | 100 mm x 100 mm                                                         |
| Base L x W                 | 1080 mm x 1080 mm                                                       |
| Antenna weight             | max. 10 kg (15 kg available)                                            |
| Positioning accuracy       | better +/- 1 cm                                                         |
| Polarisation               | 0°...360° (1° steps)                                                    |
| Positioning time 0°...360° | approx. 10 sec.                                                         |
| Positioning accuracy       | better +/- 1°                                                           |
| Antenna support drive      | 2 kevlar toothed belts (metal free)                                     |
| Motor                      | electronic EC motor 150W                                                |
| Control cable              | fibre optic cable, POF type (standard)                                  |
| Drive unit                 | shielded and radio interference suppressed; 20dB under CISPR 22 Class B |
| Temperature range          | 10°C...40°C                                                             |
| Input current              | max. 2,2 A                                                              |
| Operating Voltage          | 115V / 230 V AC (50/60 Hz)                                              |

The MA4000-DG antenna mast is suitable for use in either open areas or in electromagnetic absorption chambers. Guy wires and anchoring pins are available for antenna installation in open areas. Metal parts are located only in the base plate and the drive mechanism (max. 0,3 m above ground level).

Adapters for all commercially available antennas are available. Special designs are available on request. All antennas during polarisation rotate around their axis so as to eliminate any elevation errors.

The **IEEE 488 (GPIB)** bus, when operated with the **CO2000** Controller, or **IEEE 488 (GPIB) & TCP/IP (LAN)** interface, when operated by [CO3000](#) Controller provides an additional control option for all functions.