

ANTENNA TOWERS 2175 Antenna Tower

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Although designed with compact chambers in mind, the MiniMast can be used in other protected environments as well. Large polyurethane wheels provide easy rolling on most ground plane surfaces. (As with any mast in an outdoor application, the MiniMast should be fastened to the ground plane using guy-ropes). The 2175 is not intended for permanent outdoor installations. Built with a rugged, high density, fiberglass-reinforced polymer, the unit's mast and cross boom are highly resistant to deterioration from exposure to sunlight. The square shape of the tubing helps prevent rotation and torsional stress experienced with round pipe. A reliable rope and pulley mechanism is used for carrier descent. Supporting up to 9.1 kg (20 lb) of weight, the MiniMast's sturdy boom can be used with almost any EMC antenna.

The MiniMast is compatible with ETS-Lindgren's EMCenter™ configured with an EMControl™ plug-in card. With use of this EMCenter configuration, users can independently control two primary devices (e.g. a tower and turntable) with great accuracy. Users also can perform the switching functions of up to four auxiliary devices.

The EMCenter is compatible with ETS-Lindgren's TILE!™ and EMQuest™ Software, Rohde & Schwarz Model ESKI-EMI Measurement and Evaluation Software and Hewlett Packard's HP85876A Commercial Radiated EMI Measurement Software.

Key Features

- 1 m to 4 m Scan Height Range
- Rugged Construction for Indoor/Outdoor Use
- Fiber Optic Control Lines Eliminate RF
- On-Axis Antenna Polarization

Specifications

Electrical Specifications

Phase: 10 A, Single

Voltage: 220/240 VAC, 50/60 Hz

Physical Specifications

Nominal Height: 4.61 m (15.12 ft)

Maximum Load Capacity: 10.0 kg (22.05 lb)

Weight: 81.2 kg (179.01 lb)

Scan Height: 1 m to 4 m (3.3 ft to 13.1 ft)

Linear Velocity: 3 cm/sec to 22 cm/sec (1.18 in/sec to 8.66 in/sec)

Polarization: 3° to 30° per Second

Required Air Pressure: 410 to 550 kPA, 60 to 80 PSI (Air Supply Not Included)

Other Specifications

- Tower Assembly
 - Air Polarization (Customer Supplied Air Source)
 - 10 m Fiber Optic Cable
 - Manual
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