

Series 59000 Source Tower

Features

- Vertical carriage allows complete adjustment of source or antenna-under-test height

Description

The complete versatility of elevated or ground-level antenna testing on a single antenna test range can be achieved by incorporating the MI Technologies Series 59000 Source Tower. This flexibility is made possible through extended vertical carriage travel and ease of installation and adjustment of equipment on the tower. Antenna system weights to 850 lbs can be elevated to approximately 40 ft above the ground.

Compatible equipment such as Series 56000 Polarization Positioners and Series 56800 Mounting Fixtures for direct attachment to the carriage are also available.

Two tracks on the narrow tower-face guide the carriage, which can be remotely raised or lowered as desired by a cable/winch driven system.

Adjustable electrical limit switches at the top and bottom of the tower prevent overtravel and possible equipment damage. The maximum travel speed is 8 ft per minute.

Dual speed synchro units for monitoring carriage height are standard.

Specifications

Overall Height
42 ft (12.8 m)

Carriage Travel
36 ft (11.0 m)

Maximum Carriage Lifting Capacity
850 lbs (386 kg)

Maximum Carriage Twisting Moment
800 ft-lbs (1084 N-m)

Net Weight
3000 lbs (1360 kg)

Ordering Information

The Model 59112 includes a dc drive winch. A drive winch kit may be ordered separately (See Accessories). Note that guy wires are required for support.

Options

None

Accessories

Drive Winch Kit – P/N 490374

Mating Connector Kit – P/N 221310

Magnetic Brake Replacement Kit (for use with Model 4139) – P/N 493748



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