

EM-6105 WIDEBAND DISCONE ANTENNA



Features

- **Small Size**
- **Very wide frequency coverage**
- **Flat frequency response**
- **High immunity to overload**

Description

Electro-Metrics EM-6105 provides very wide frequency range omni-directional coverage in a single package. Recently designed active circuitry provides exceptional immunity to overload without compromising sensitivity. The antenna collapses for convenient storage and transport.

EM-6105

WIDEBAND DISCONE ANTENNA

Specifications

Electrical

Frequency Range (calibrated):	10 kHz - 2 GHz
Impedance:	50 Ohms, nominal
Output Connector:	Type N, male
Overload:	2 V/m below 50 MHz (+5 dBm at output connector)
Power Source:	15 VDC supplied by external EM-6106 Battery Pack/Charger Module
Battery Life:	8 hours, nominal
Polarization:	Vertical

Mechanical

Height:	
W/o Upper Rod:	57.2 cm (22.5")
W/ Upper Rod:	
Fully Collapsed:	82.6 cm (32.5")
Fully Extended:	≈203.2 cm (≈80")
Lower Radial Elements:	40.6 cm (16")
Length:	
Upper Antenna Rod:	
Fully Collapsed:	25.4 cm (10")
Fully Extended:	≈144.8 cm (≈57")
Lower Radial Elements:	40.6 cm (16")
Diameter:	
Stowed Configuration:	11.4 cm (4.5")
Deployed Configuration:	45.7 cm (18")
Antenna Disk:	32 cm (12.6")
(Counterpoise)	
Weight:	2 kg (4.5 lbs.)

Specifications subject to change without notice.
Unless otherwise specified, product is manufactured in Johnstown, NY USA.

Rev: 070826