

## BIA-25 | Antenna, Biconical



### Description

A balun, feedline, and element cage give the Electro-Metrics BIA-25 response curves that are almost linear, making it ideal for swept measurements. The BIA-25 is position sensitive, and must be properly orientated. When in the vertical orientation, incorrect readings will be obtained if the incorrect element is closest to the ground plane.

### Applications

The BIA-25 Biconical Antenna operates over the 30-200 MHz frequency range. The antenna is ideally suited for use in FCC, SAE, and MIL-STD radiated emissions testing. The BIA-25 broadband frequency capability eliminates the need for band switching, element extension, or external tuning when used for electromagnetic ambient surveys or spectrum signature measurements. The compact size of the BIA-25 is advantageous for use in anechoic chambers and shielded enclosures.

### Specifications

#### Electrical

**Frequency Range:** 30 - 200 MHz

**VSWR:**

**Average:** 1.4:1 with 6 dB pad

**Maximum:** 1:8:1 with 6 dB pad

**Max. Cont. Power:** 0.5 W

**Peak Power:** 1.0 W

**Input Impedance:** 50 Ohms

**Output Connector:** TNC

#### Mechanical

**Length:** 134.1 cm (52.75") tip-to-tip

**Diameter:** 53.3 cm (21")

**Depth:** 81.3 cm (32") including balun

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

