ANTENNAS

GM-173

**WIDEBAND ANTENNA
FREQUENCY RANGE
30 MHz TO 80 MHz**

Frequency Range 30 MHz to 80 MHz.

Vertically polarized rod antenna, can be dismantled to two individual rods, thus space-economizing stowage possible.

Small mechanical dimensions (length 1.9 m).

Simple installation.

TECHNICAL DATA

Frequency Range	30 MHz to 80 MHz
Power Handling Capacity:	up to 100 W
Polarization:	vertical
Input Impedance:	50 ohm
Voltage Standing Wave Ratio (VSWR):	≦ 3 with a counterpoise 3 mx3 m
Ambient Operating Temperature Range:	−10 °C to +55 °C
Dimensions and Weights	Length m
Antenna rod with base	1.9
lower rod	0.7
Upper rod	0.9
Weight approx. kg	1.6

GO-170

**WIDEBAND
VHF ANTENNA
FREQUENCY RANGE
30 MHz TO 80 MHz**

The GO–170 offers an all new design concept featuring a transportable, man-packed, omnidirectional base station antenna for military broadband VHF communications in the field.

Emphasis on human engineering factors provide an antenna system that is easily and quickly erectable by 2 persons in less than 10 minutes.

TECHNICAL DATA

Frequency Range:	30 MHz to 80 MHz
Power Handling Capacity:	up to 150 W
Polarization:	vertical
Input Impedance:	50 ohm
Voltage Standing Wave Ratio (VSWR):	≦ 2,5
Radiation Characteristics:	
Pattern:	omnidirectional
Ambient Operation Temperature Range:	−10 °C to +55 °C

INSTALLATED ANTENNA
GO–170

Due to highly flexible antenna base intensitive to impacts on obstructions.

Wideband characteristic requires no antenna matching unit.

Passive network enables frequency hopping of different transceivers in different hopping bands on connection of transceivers to antenna via antenna coupler.

CONSTRUCTION

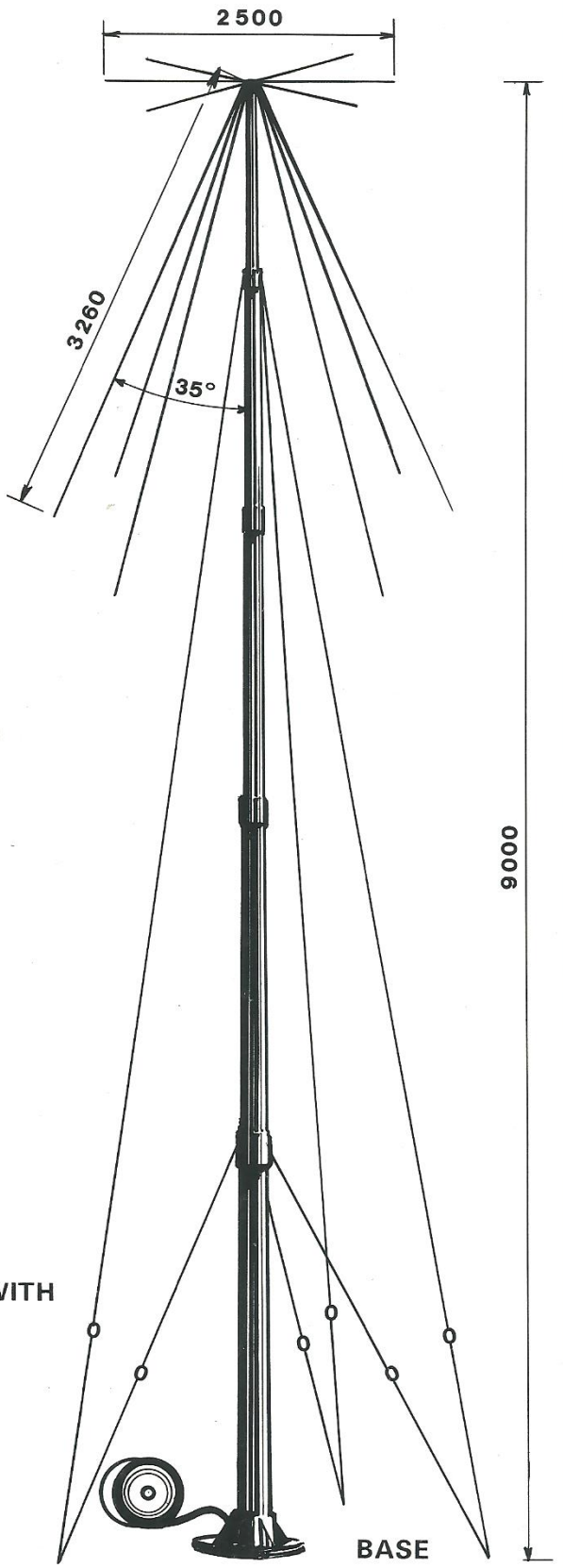
The antenna GM–173 consists of a metal housing for the passive matching network, an insulator, a flexible antenna base and an antenna rod which can be dismantled to two individual rods in order to ease stowage.

The Wideband Antenna GM–173 can be utilized in the frequency range 30 MHz to 80 MHz as transmitting/receiving antenna for mobile or fixed operation.

The mast system included provides for an erection height of 30 feet above ground in 3 foot increments offering optimum electrical performance.

High reliability factors and mechanical ruggedness have been designed into this optimum lightweight compact system making it ideal for tactical applications.

The GO–170 provides continuous coverage across the entire 30–80 MHz frequency range without need for electromechanical adjustments.



AERIAL HEAD WITH RADIATOR

TELESCOPE MAST

GUY ROPE WITH PEGS

CABLE WITH DRUM