



# MODELS 1402AC 1403AB

*LIGHTWEIGHT TRANSPORTABLE ANTENNAS  
HF BROADBAND*

*30-76 MHz OR 30-88 MHz*



Model LP-1402 and LP-1403 antenna systems are the ultimate in man-packed transportable antennas designed for broadband VHF tactical communications in the field. Their versatility and practical design are surpassed only by their rugged reliability. Supplied complete in a canvas pack. When erected, either system may be used for vertical or horizontal polarization at heights of 20 feet (6 m). In addition to their excellent electrical communications performance, human engineering factors have been emphasized in the design to provide an easily erectable, foolproof antenna system. Erection of either model is accomplished by 2 men in less than ten minutes.

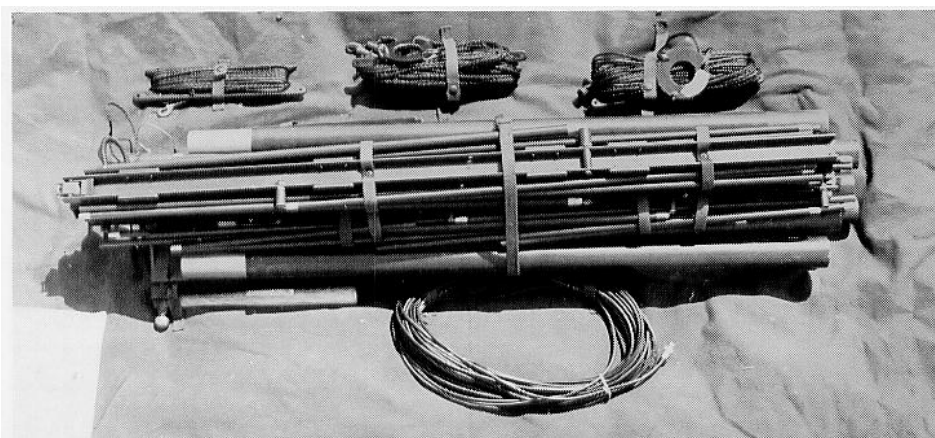
The top mast sections are made of fiberglass to enhance antenna operation in the vertical mode. Polarization of either antenna can be easily switched without lowering the antenna.

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## Specification Summary

Model Number	LP-1402	LP-1403
Military Nomenclature	AS2851/TR	
National Stock Number	5985-00-097-8802	5985-01-441-5478
<b>Electrical Characteristics</b>		
Frequency range	30.0-76.0 MHz	30.0-88 MHz
Power handling capability PEP/average	150 Watts/75 Watts	130/65 Watts
Polarization	Horizontal or Vertical	Horizontal or Vertical
Nominal VSWR at 50 ohms*	2:1	2:1
Input impedance	50 Ω	50 Ω
Input connector	BNC	BNC
Forward Gain Over Average Soil Conditions (in dB)	4.5	4.5
<b>Structural Characteristics</b>		
Dielectric Support Pole Height	20 ft. / 6.1 m	20 ft. / 6.1 m
Wind Loading Capability: No Ice	60MPH (96km/h)	60MPH (96km/h)
Radial Ice 0.25 (6.2mm)	50MPH (80km/h)	50MPH (80km/h)
Longest Element	16' 8" (5.1 m)	15'6" (4.72 m)
Total Number of Elements	7	8
Boom Length	6' (1.8 m)	8' (2.3 m)
Net weight	36 lbs / 16.3 kg	37 lbs / 16.8 kg
Shipping weight	39 lbs / 17.7 kg	40 lbs / 18.4 kg
Erection Time	2 people Less than 10 minutes	2 people Less than 10 minutes

\*VSWR depends upon the height of the antenna above ground, and the influence of other structures or antennas in the vicinity. The specification is for ideal conditions.



**LP-1402**  
**LP-1403**

**30-76 MHz**  
**30-88 MHz**