

Antenna Tuner

— fixed station antennas

The **9103 Antenna Tuner** has been designed for operating with most end-fed long wire and whip antenna systems in fixed land station applications.

KEY FEATURES FOR 9103 ANTENNA TUNER

In-built memory

A feature of the 9103 Antenna Tuner is the in-built memory. This stores the tuning configuration used to tune a particular channel frequency. The tuning configuration can be accessed within 10 milliseconds when that channel is used again. The memory is capable of storing hundreds of individual tuning configurations.

Easy to install and operate

Housed in a weatherproof case, the 9103 Antenna Tuner is supplied complete with mounting bracket, 10 or 30 m control and coaxial cables (please specify when ordering), and an installation and operation handbook.

ACCESSORIES

15-00163

1.8 m copper clad steel earth rod complete with copper strip and clamps

30-37601-002

Copper earth strip 50 mm x 0.46 mm (26 gauge) for connecting transceiver and tuner to an earth point (supplied per metre)

SPECIFICATIONS

Power rating	150 watts (PEP) voice 125 watts (PEP) multi-tone data modem
Size and weight	284 mm W x 70 mm D x 350 mm H; 3.5 kg
Power requirements	12 V DC nominal (supplied from the transceiver or power amplifier) 0.9 A nominal
Input impedance	50 Ω , unbalanced
Length of antenna	Length of antenna feeder and earth connection — 3 m minimum (tuning range 3.3 to 30 MHz) Recommended maximum length — 15 m (tuning range 1.6 to 30 MHz) Length of antenna may need to be varied slightly to cover all frequencies in use
Operating temperature range	-35 to +70°C



9103 Antenna Tuner

The **Tuned Long Wire Antenna** may be used for either temporary or permanent fixed station installations, and is suitable for multi frequency operation with most transceiver systems with a 9103 Antenna Tuner

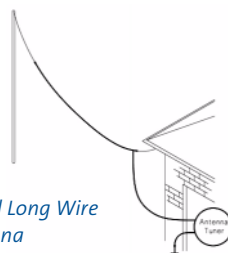
KEY FEATURES FOR TUNED LONG WIRE

Multi frequency operation & easy to install

It is ideal for field crews who require an antenna that can be quickly and easily erected at temporary camp sites or similar locations. It may also be used in permanent installations where space is limited.

The Tuned Long Wire Antenna is supplied as a kit for installation

and includes halyards, pulley, earth wire and strap, and a complete set of installation instructions.




Tuned Long Wire Antenna

SPECIFICATIONS

Antenna length	Approximately 20 m (shorten as necessary)
Material	PVC coated multi stranded steel wire
Recommended height	12 m at the high end

The **Guyed Vertical Whip Antennae** are designed for installation on buildings or open ground and are suitable for most transceivers operating with a 9103 Antenna Tuner.

KEY FEATURES FOR BASE WHIP		SPECIFICATIONS
<p>Durable</p> <p>Manufactured from tempered corrosion-resistant aluminium alloy tubing, the antenna is supplied unloaded and self-resonant at 7.5 MHz.</p>	<p>of at least four wire radials (15-00158) extending as far as possible from the base is desirable, especially in dry ground conditions. A radial ground plane (15-00159) is recommended for roof-mounted installations.</p>	<p>Frequency range 1.6 to 30 MHz, self-resonant at 7.5 MHz</p> <p>Antenna length 9.5 m</p> <p>Guy system One set of four glass fibre, vinyl covered, 4 mm diameter ropes, anchored on a radius of not less than 3 m from the antenna base. Recommended tension is 4 kg</p> <p>Packed weight 15-00406-001:12.5 kg 15-00406-002:8.5 kg</p>
<p>Easy to install</p> <p>The antenna is supplied in kit form ready for erection and is available with an adjustable angle base plate and ground spike for open ground installation (15-00406-001), or with a hinged angle bracket for roof mounting (15-00406-002). Guy anchors are not included in the kit.</p> <p>For efficient operation of the antenna, a good earth system is necessary. When erected on open ground, an earth mat consisting</p>	<p style="text-align: center;"><i>Base Whip Antenna</i></p> 	

ACCESSORIES			
15-00158	Earth mat for Guyed Vertical Whip Antenna (15-00406-001), ground installations	08-01503-030	Coaxial cable assembly (RG58) fitted with UHF type weatherproof connectors, 30 m
15-00159	Radial ground plane for Guyed Vertical Whip Antenna (15-00406-002), roof installations	15-00444	Coaxial cable assembly (RG213) fitted with UHF type weatherproof connectors, 30 m and supplied with a suitable cable strain relief
15-00163	1.8 m copper clad steel earth rod complete with clamp		
08-01503-006	Coaxial cable assembly (RG58) fitted with UHF type weatherproof connectors, 6 m		

Your Distributor/Dealer:



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