MP-30-200 VHF Manpack Whip

This antenna is a light weight, high performance, manpack whip for use in the VHF band between 30-200 MHz. It provides 50 Ohms input impedance all the way across this band with good matching and high radiation efficiency.

Power rating is 50 watts CW, and gain over the band is comparable to a tuned ¼ wave whip antenna. Tuning is automatic and all tuning elements are incorporated within the antenna and base.

Fabricated from specialised high tensile aluminium tubing, the antenna has high impact survival and is lightweight and rugged. The base tuning elements are incorporated in an acetal housing.

The antenna whip folds quickly down from its fully extended length of 2.7m to a compact package of only 34cm x 6cm x 6cm. The whip is used fully extended at the lowest frequencies but (within certain limitations) it can be deployed partially extended for use at the high frequency end of the band.

A heavy duty internal shock cord provides firm inter-element contact when the whip is extended and keeps the elements as one unit when it is collapsed.

Specifications

- Frequency range: 30 to 200 MHz - No external matching or tuner required
- Power Rating: 50 watts CW
- Radiation pattern: Essentially Omnidirectional
- VSWR: Better than 3:1 across the band
- Polarisation: Vertical
- Input Impedance: 50 Ohms
- Input connector: N Type male or similar style RF connector -customer to designate-
- Whip Diameter: 10 mm
- Height: 2.7m (whip extended).
- Collapsed Size: 34cm x 6cm x 6cm
- Weight: 340 grams
- Mounting: Direct to radio via Input connector
- Colour: Matt Black overall