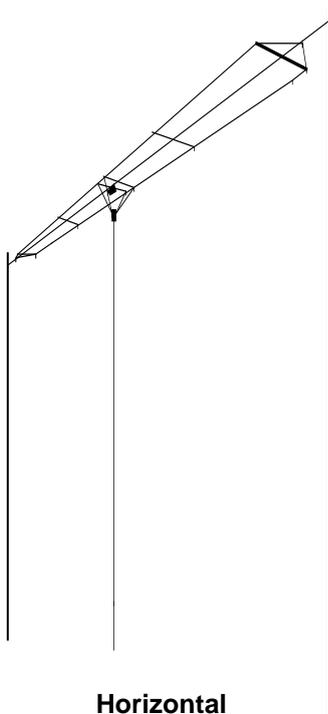




## Type HF FD 2-30 1kW PEP

### High Power HF folded dipole broadband base station antenna

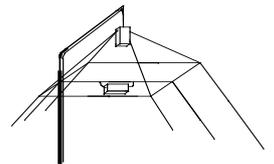
Designed as an efficient HF broadband base station system for short to medium range communications without the need for an antenna coupler.



Horizontal

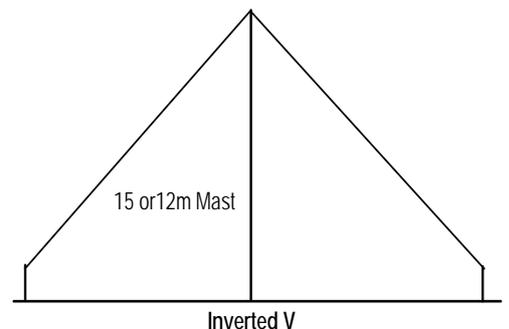
The HF FD 2-30 1kW PEP antenna system is easily erected in either a horizontal configuration between two towers or masts (not supplied) or in the space saving *inverted v* configuration from a single tower or mast, with a horizontal support stand-off, gibbet, at the top.

The antenna is rated at 1kWPEP or 250W CW. The radiating elements are of heavy duty stainless steel wire rope for strength and long life, even in corrosive atmospheres. The fittings and connections are of stainless steel with high quality insulators. Spreaders are of heavy duty UV stabilised material.



Internal antenna components are completely encapsulated or enclosed for protection from the environment.

The system provides efficient communications over the MF/HF range from 2.0 to 30 MHz with low (typically <2.0:1) SWR as measured at the input to 30m coaxial feeder.



### SPECIFICATIONS

<b>Frequency Range</b>	2-30 MHz full version; 3-30 MHz compact version
<b>Impedance</b>	50 $\Omega$ (nominal)
<b>VSWR</b>	Typically <2.0:1 across the frequency range, as measured at the input to 30m coaxial feeder
<b>Power Capability</b>	1kW PEP, 250W CW (continuous)
<b>Connection</b>	Via coaxial cable (not supplied) to N Type socket on balun box
<b>Antenna Lengths</b>	Radiator: 50m (167ft) full version or 30m (98ft) compact version
<b>Recommended Mast/Tower Height</b>	Mast/tower: 50m full version 12-15m (40-50ft); 30m compact version 9-12m (30-40ft); 9m (30ft) minimum; two required for horizontal configuration. Horizontal support gibbet (for inverted V) 800mm (2.6ft) out from top of mast.
<b>Mast/Tower Spacing</b>	Horizontal: 50m/15m Mast 52m (170 ft) minimum; 30m/12m Mast 32, (105ft); Inverted V: 50m/15m Mast 44m (144ft); 30m/12m Mast 22m (72ft)
<b>Gain (peak)</b>	Better than 5dBi
<b>Wind Rating</b>	240 km/h (150 mph), higher ratings available
<b>Packed Weight</b>	14 kg (30.8 lbs), cubic weight 10kg (22 lbs)
<b>Packed Size</b>	1 x 167 x 21 x 17 cm (65.8 x 8.3 x 2.5 in.) 1 x 50 x 25 x 10 cm (19.7 x 9.8 x 3.9 in.)

Specifications subject to change – Issued 07/13



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