

2.4 Metre Folding Whip (Steel) & Antenna Matching Unit (AMU), Capacitively Loaded 30-88MHz

Type 839

Racal Antennas Limited has many years of experience in design, development and manufacture of manpack/portable antennas for the military user. They have been developed after consultation with military users and radio manufacturers worldwide.

The 839-100 series 2.4 metre capacitively loaded whip antenna has been designed for manpack radio applications operating in the VHF (30-108MHz) frequency band. The whip sections are manufactured from copper plated steel tube sections. Each tube section is joined together by shock cord or elastic bungee with a combination of springs and ferrules. When the bottom section is held in the hand and the remaining sections are dropped the antenna will simply snap together ready for use.

The folding whip antenna is used in conjunction with a flexible assembly (commonly know as a gooseneck) and antenna matching unit (AMU). The radio interface end of the AMU can be tailored to the radio manufacturers' bulkhead interface.

Electrical Specification	
Frequency Range	30-108MHz
Polarisation	Vertical
Horizontal Radiation Pattern	Omnidirectional
Power Rating	5W
Impedance	50Ω
VSWR	
Radio Interface	TNC Male (options available)
Mechanical Specification	
Height (Extended)	2.4m
Height (Collapsed)	0.32m
Weight	0.7kg
Mounting Configuration	Directly to radio bulkhead connector/ interface
Environmental Specification	
Temperature	Operational -40°C to +70°C Storage -55°C to +85°C
Humidity	Up to 95% RH up to 55°C



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 Racal reserve the right to vary in detail from the description and specification in this publication.