

TM 170 Series

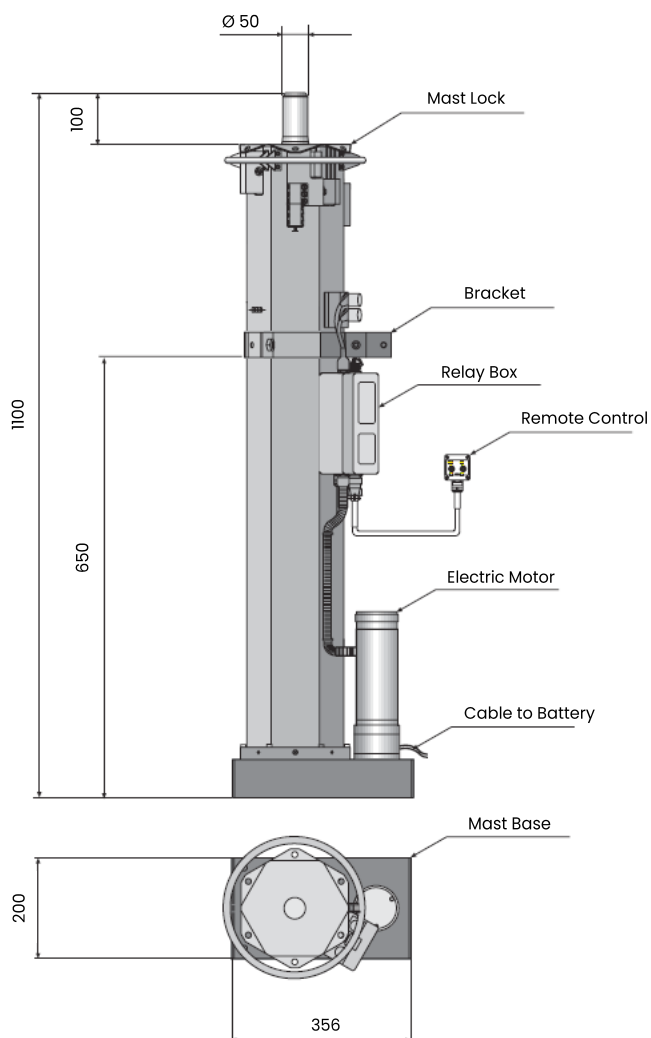
4.7 – 10 m telescopic aluminium mast, motorised
Tactical Masts: Telescopic Motorised



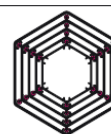
Compact Electric Powered Aluminium Telescopic Mast TM 170

Vehicle mounted telescopic mast for rapid deployment

The combination of proven Comrod telescopic mast technology and the Force XXI requirement for a rugged un-guyed mast to carry a heavy sensor package has produced the electric powered mast TM 170. The mast is made of extruded hexagonal and circular aluminium alloy tubes of progressively smaller size and tracked telescopic action, with screwed on or riveted fittings in stainless steel. The sections move inside each other on plastic guide-ways which provide the masts with excellent torsional resistance. The mast is elevated by an electric motor connected to a ball screw that lifts section 2. The other sections are raised by a rope system. No additional staying is required. Ten and fifteen metre variants of the TM 170 mast system are also available.



The hexagonal sections move inside each other on plastic guideways which provide the masts with excellent stability and torsional resistance.



	TM 170/4.7-1.0	TM 170/10-1.9
Elevated Height	4.7 m	10 m
Retracted Height	1.0 m	1.9 m
Max. Top load *	90 kg	90 kg
Max. Top load Area *	See note	See note
Number of Sections	7	7
Bottom Section Diameter	170 mm	170 mm
Top Section Diameter	66 mm	66 mm
Wind Speed Operational	25m/s	25m/s
Wind Speed Survival	33.3m/s	33.3m/s
Mast Weight	45 kg	75 kg
Elevation Time	20 sec	40 sec
Max Slope of Vehicle	10°	10°
Voltage	28 V DC	28 V DC

* Typical values shown. Actual values will be subject to a combination of top load weight, top load area and pointing accuracy required.

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All specifications are subject to change without notice
The information contained herein is for reference only and does not constitute a warranty of performance

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