Powertec Wireless Technology
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Electric Winch-Up Mast 2.7m Retracted, 11.3m Extended, 50kg Payload, Electric Rotator, 1x Cat6 1x PTL-240 Spiral Cable

MPN
AP-TM-CWU11E-5S-1C

Description

This is a traditional cable-driven winch-up mast that comprises of 4x 2.5 metre hot-dip galvanised sections that telescope outward from a powdercoated steel base section. The extended height is 11.3 metres, which packs down to 2.7 metres. The mast has been engineered for a 50 kg payload in up to 120 km/h winds.

The mast has a spiral cable running to the top of the mast which contains 1x PTL-240 Ultra-Flex Coaxial Cable, 1x Cat-6 Ethernet Cable, and DC power cables. The mast has a DC powered Mast Rotator located at the top of the mast, which allows equipment to be panned a full 360°. A cable running to the mid-point of the mast is available as an optional extra.

The mast is lowered and raised by a 1100 kg 12/24 Vdc Electric Winch, which is operated by a hand controller.

Note mast image for reference only (hand-winch shown, no cable spiral or rotator)



APAC Infrastructure

APAC Infrastructure is an Australian metal fabrication company dedicated to high tech industries in the commercial, industrial, and defence sectors. Our team is committed to evolving our solutions to meet the rapidly changing needs of our rapidly changing world, ensuring your team deliver solutions at the very forefront of technological development. APAC develops made-to-measure height systems for ...

Physical Specification

Subtype
Retractable Mast
Weight
160 kg
Installation
Retractable Mast Base Bolt Pattern
Dimensions
550 × 600 × 2,740 mm
Nominal Height
11 m
Wind Survival
120 m/s
Retracted Height
2.7 m
Max. Payload
50 kg
No. Sections
5
Lifting Mechanism

Winch
Extended Height
11.3 m
Lifting Time
< 2 min
Locking
Non-Locking
Subcomponents

Quantity	Name	Materials	Material Finish
1	2.5 m Top Section, 60x60 mm	Steel	Hot-Dip Galvanised
1	2.5 m Second Section, 80x80 mm	Steel	Hot-Dip Galvanised
1	2.5 m Third Section, 100x100 mm	Steel	Hot-Dip Galvanised
1	2.5 m Fourth Section, 120x120 mm	Steel	Hot-Dip Galvanised
1	2.5 m Base Section, 140x140 mm	Steel	Hot-Dip Galvanised
1	Full-Length Cable Spiral, 1x PTL-240, 1x Cat-6 Ethernet, 1x DC Power Cable 6mm2		

Quantity	Subcomponent
1	Runva EWP2500U Electric Winch
1	Mast Rotator for APAC Winch-Up Masts

Available Interfaces

Quantity	Mounting	Details
1	Retractable Mast Bolt Pattern	Attachment of mast-specific headframes and devices
1	Rotator Bolt Pattern	Attachment of rotator-specific headframes and devices

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