

TACTICAL MANPORTABLE TELESCOPIC MASTS

# CARRYMAST™

MILITARY ANTENNA SOLUTIONS



## COMBAT-PROVEN VERSATILITY

### A WIDE RANGE OF TACTICAL

# MANPORTABLE TELESCOPIC MASTS

## SUPPORTING ANTENNAS FROM HF TO MICROWAVE

C&S Antennas has pioneered the use of advanced materials such as carbon fiber and Kevlar\*. Used extensively in the CARRYMAST™ series, these materials provide a unique combination of exceptional strength, low weight and rigidity. Capable of withstanding hurricane-force winds, C&S Antennas' tactical antenna masts can be carried by one person and erected in the field in minutes.

The CARRYMAST™ series has been developed and perfected with input from seasoned tactical communicators. The results are masts incorporating ingenious ideas that ensure quick and easy deployment, even under the most severe weather conditions or at night.

The CARRYMAST™ series includes Non-Development Items (NDI) and has been environmentally tested to the stringent conditions of US MIL-STD-810C. Intended for worldwide deployment, the masts are capable of withstanding the extremes - from the Arctic (with North Pole Expeditions in temperatures down to -54° F), to tropical rainforests and dry/hot desert conditions.

- Rapid Deployment
- Low Weight
- One or two-man operation
- Robust and reliable
- Proven in action
- Simple operation
- No pumps or winches necessary
- Compact stowed size
- Low radar cross-section
- Ice resistant
- Simple battlefield repair



All accessories are stored in a heavy-duty rot-proof transit bag. Guy ropes are supplied on reels to prevent rope tangles and to reduce deployment and teardown time.

\* Kevlar is a registered trademark of E.I. du Pont de Nemours & Company.

## RAPID DEPLOYMENT BUILT INTO THE DESIGN



Color-coded guy ropes and associated attachment points make deployment easy and straightforward.



Guy ropes are supplied with neat self-locking tensioners. The ropes are manufactured from Kevlar\*, a strong aramid fibre having exceptional "non-stretch" properties.



The 50-ft (15 meter) version of CARRYMAST™ is in service with United States Marine Corps programs.



The unique CARRYMAST™ handle has several useful functions:

- Positioned at the center of gravity
- Cleat for securing antenna halyards
- Built-in compass
- Built-in spirit level



Compass for accurate directional positioning.

*Built-in Spirit Level*



These tough, composite push-up masts can be erected by a two-person team in under

# 10 MINUTES

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## GENERAL SPECIFICATIONS BY MAST HEIGHT

CARRYMAST™ MODEL	CTM9	CTM10	CTM12	CTM15**
Height Extended	29 ft 7 in (9 m)	33 ft 6 in (10.2 m)	38 ft 3 in (11.656 m)	49 ft 2 in (15 m)
Transit Length	5 ft 8 in (1.73 m)	5 ft 8 in (1.73 m)	5 ft 8 in (1.73 m)	5 ft 8 in (1.73 m)
Deployment Time (one man)	6 min	7.5 min	8 min	12 min
Weight (mast body)	21 lb (9.5 kg)	23 lb (10.5 kg)	24 lb (10.8 kg)	30 lb (13.6 kg)
Weight (deployment accessories)	19 lb (8.6 kg)	19 lb (8.6 kg)	19 lb (8.6 kg)	42 lb (19.1 kg)
Max Head Load	33 lb (15 kg)	33 lb (15 kg)	33 lb (15 kg)	33 lb (15 kg)
Max Wind Speed	90 mph (145 km/h)	90 mph (145 km/h)	90 mph (145 km/h)	90 mph (145 km/h)
Low Temperature (operational)	-50° F (-45° C)	-50° F (-45° C)	-50° F (-45° C)	-50° F (-45° C)
Height Temperature (operational)	+160° F (+71° C)	+160° F (+71° C)	+160° F (+71° C)	+160° F (+71° C)
Includes:	3 Stay Plates, 3 Guy Ropes per Stay Plate, 6 Ground Pegs	3 Stay Plates, 3 Guy Ropes per Stay Plate, 6 Ground Pegs	3 Stay Plates, 3 Guy Ropes per Stay Plate, 6 Ground Pegs	4 Stay Plates, 3 Guy Ropes per Stay Plate, 9 Ground Pegs

**\*\*The CTM15 CARRYMAST™ is often kitted with additional items.**

CTM15/LFH230/AD	CTM15/LFH230K	CTM15LORAL	CTM15J	CTM15J-LFH230SV
CTM15 CARRYMAST™ with FANLITE™ Lightweight Manportable Theater Range HF Broadband Antenna, 2-30MHz, 1kW (LFH230/1/VE) and Lightning Protection Kit (LPKAD)	CTM15 CARRYMAST™ with FANLITE™ Lightweight Manportable Theater Range HF Broadband Antenna, 2-30MHz, 1kW (LFH230/1/VE), Lightning Protection Kit (LPK) and Weak Link Halyard (SL33784)	CTM15 CARRYMAST™ with four Stay Plates, 4 Guy Ropes per Stay Plate and 12 Ground Pegs	CTM15 CARRYMAST™ with four Stay Plates, 4 Guy Ropes per Stay Plate, 12 Ground Pegs, Weak Link Halyard (SL33784), Halyard made with BQ97 Rope and a Pulley (SL31340) and T-Bar Adaptor (SL33423)	CTM15 CARRYMAST™ with four Stay Plates, 4 Guy Ropes per Stay Plate, 12 Ground Pegs, Weak Link Halyard (SL33784), Halyard made with BQ97 Rope and a Pulley (SL31340), T-Bar Adaptor (SL33423) and FANLITE™ Lightweight Manportable Theater Range HF Broadband Antenna, 2-30MHz, 1kW with Sloping Vee Kit (LFH230/1/VE-SVK/LFH)

### CARRYMAST™ ACCESSORIES



**T-BAR  
ADAPTORS**

Adaptors and accessories increase the versatility of the CARRYMAST™ range. Common accessories include **T-Bar Adaptors** to enable two antennas to be mounted at the masthead simultaneously; **Half-Way Up Adaptors** for side mounting antennas; Field Repair Kits, Heavy-Duty Transit Bags, additional Halywards and Anchors. Contact us for recommendations for your specific requirements.



**HALF-WAY UP  
ADAPTORS**