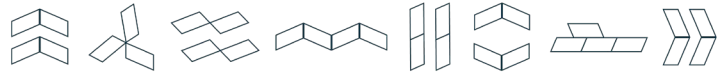


## NASNet® MkII Compact Station (CS)

Accurate long term positioning from seabed to surface

Simplified, reduced duration version of the NASNet® Station whilst retaining the benefits of the NASNet® broadcast signalling in an elevated transmitter position. Long range acoustic coverage is achieved, making deployment of an accurate field wide positioning service economically viable.

NASNet® CS uses the same patented Buoy Tracking System (BTS) as NASNet® Stations to monitor and correct buoy movement, thereby maintaining high accuracy positioning even in areas of strong seabed current.



# NASNet® MkII Compact Station (CS)

Accurate long term positioning from seabed to surface

## Advantages

- Fewer seabed assets allowing accurate full field positioning to be operationally and economically viable
- Full field coverage for life-of-field operations
- Ideal solution for subsea ROV and structure positioning for deepwater construction
- Robust (independent of GPS) dynamic position reference for surface positioning
- Reliable communications due to advanced digital signalling techniques
- True multi-user positioning system with unlimited tracked objects
- Fast update rate in any water depth and no acoustic interference
- No frequency management issues with highly automated functionality
- Long range capability providing wide area coverage
- Fully compatible with all NASNet® system functions and ADS2 systems

## Technical Specs

Operating frequency	10 kHz with a 3 kHz spread, Acoustic Digital Spread Spectrum (ADS <sup>2</sup> )		
Power output	Configurable 157-196 dB re 1 µPa, up to 1 second range pulse rate		
Transmitter beam width	210 degrees		
Depth rating	3500 msw		
Operational battery life (at 5 second pulse rate)	Output power	Alkaline (days continuous)	Lithium (days continuous)
	180	173	360
	182	121	294
	184	81	222
	186	54	154
	188	35	88
	190	23	43
Base frame complete	Footprint: 1500 mm diameter, Height: 2000 mm (inclusive of MS) Weight in air: 314 g (inclusive of MS), Weight in water: 248 kg (inclusive of MS)		
Floating complete	Footprint: 218 mm diameter, Height: 1134 mm (inclusive of MS) Weight in air: 229 kg (inclusive of MS), Weight in water: 62 kg (net buoyant)		
Tether length	10 – 30 m dependent on requirement		
CS base frame	(x1) 8006-9110, 180 kg (weight in air), 156 kg (weight in water)		
MS lithium CS	(x1) 8006-5450, 158 kg (weight in air), 115 kg (weight in water)		
CS retaining rigging	(x3) 8006-9019, 4.5 kg (weight in air), 3.9 kg (weight in water)		
CS bottom rigging	(x1) 8006-9017, 4.8 kg (weight in air), 4.2 kg (weight in water)		
CS tether rigging	(x1) 8006-9015, 13 kg (weight in air), 10.4 kg (weight in water)		
CS top rigging	(x2) 8006-9016, 3.5 kg (weight in air), 3.0 kg (weight in water)		
MS-B floatation collar	(x1) 8006-5207, 165.5 kg (weight in air), 92.1 kg (net buoyant weight in water)		
MS Lithium	(x1) 8006-5400, 64 kg (weight in air), 30 kg (weight in water)		
Battery	256-206-000 Alkaline, 0114-3626 Lithium		