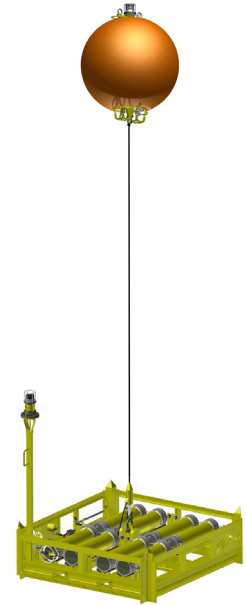


NASNet® MkII Stations

NASNet® Stations provide accurate long-term positioning throughout the water column, from seabed to surface. Designed to be deployed on the seabed in networks, NASNet® Stations provide extremely long range acoustic coverage, making accurate full field positioning coverage operationally and economically viable. NASNet® overcomes the limitations of conventional Long Baseline (LBL) positioning systems and provides a true multi-user system, able to simultaneously position unlimited objects at fast update rates with no acoustic interference.

Features & Benefits

- Ideal solution for subsea ROV and structure positioning for deepwater construction activities
- Full field coverage for life-of-field operations
- Extreme long range capability for wide area coverage with fewer seabed assets
- Fully compatible with all NASNet® system functions
- Signalling uses ADS² technology
- True multi-user positioning system
- Unlimited tracked objects
- Fast update rate in any water depth
- No acoustic interference
- No frequency management issues
- Highly automated functionality
- Patented Buoy Tracking System (BTS)
- Long battery life
- Fitted with accurate depth sensors in both sled and buoy as standard
- Pitch and roll sensor fitted as standard



NASNet® MkII Station Technical Summary

Operating frequency	10kHz with a 3kHz spread	Pulse rate	Up to every 2 seconds range pulse
Signalling	Acoustic Digital Spread Spectrum (ADS ²)	Transmitter beam width	210 degrees
Power output	Programmable 157-196dB re 1 µPa	Deployment	Typically 4-6 hours
Depth sensor (valeport)	miniPS	Range Accuracy Resolution	300 bar (standard) ±0.01% FS ±0.001% FS
Operational battery life (at 5 second pulse rate)	Output power	Days (Continuous)	Number of pulses
	180	1603	27,695,118
	181	1371	23,698,506
	182	1161	20,055,057
	183	972	16,802,872
	184	808	13,954,125
	185	665	11,499,666
	186	545	9,414,855
	187	444	7,665,356
	188	359	6,212,109
189	290	5,015,125	
190	234	4,036,067	
NASNet® Station sled	Part number External dimensions Weight	8006-9300 2185 x 2285 x 765mm 1700kg in air/1300kg in water	
NASNet® buoy assembly	Part number Depth rating External dimensions Weight	8006-9800 3500 msw 1558 x 1278 x 1278mm 2060 x 1350 x 1350mm (fitted to transport frame) 734kg in air/net buoyancy 332kg in water	
Buoy transport frame	Weight	200kg in air	
NASNet® umbilical	Part number Dimensions Weight	8006-9700 +100m (length) 65kg in air/20kg in water	

Smart Solutions

nautronix@imenco.com

www.imenco.com