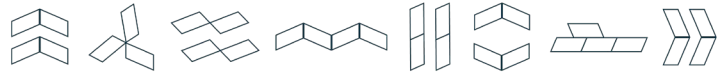


NASNet® MkII Mobile Transceiver (MTrx)

Accurate long term positioning from seabed to surface

NASNet® MTrx are used to provide accurate positioning for remote objects, and can also be used as an acoustic data telemetry link for internal or external interfaced sensors.

NASNet® MTrx can also be used as a source of range data. A prime example of this functionality is use of an MTrx to position a structure during installation and then use as range data from the as-installed position as an additional reference range for subsequent structure installations.



NASNet® MkII Mobile Transceiver (MTrx)

Accurate long term positioning from seabed to surface



Advantages

- Structure and pipeline position solution for deepwater subsea construction activities
- Internal depth and inclinometer sensors
- Capability to interface and relay external sensor data information
- Monitoring of remote objects e.g. risers
- Transfer of sensor data from remote objects
- Pipeline bundle monitoring during tow
- Real time position QC of NASNet® positioning
- Fully compatible with all NASNet® station systems and ADS2 signalling systems
- Fast update rate (typically 1 Hz) in any water depth
- Reliable communications due to advanced digital signalling techniques
- Robust acoustic data transfer capability
- True multi-user positioning, unlimited tracked objects with no acoustic interference

Technical Specs

Operating frequency	11.25 kHz with a 3 kHz spread, Acoustic Digital Spread Spectrum (ADS ²)
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
Typical battery life	34 days <small>*Operational at 180 (dB re 1 µPa) with a 1Hz update rate. Includes depth, pitch and roll individual telemetry at 0.1 Hz. Power output levels between 157 – 190 dB will affect Battery life.</small>
Internal sensors	Integrated CDL Mini Tilt, accuracy 0.05°, resolution 0.01° Keller series 33x standard, accuracy 0.1% FS standard
External interface supported	RS485 / RS422 via Impulse MHDG-8-BCR-NSO
MTrx (standard)	8006-5303 1140 x 244 mm (diameter), 66 kg (weight in air), 33 kg (weight in water)
Acoustic release	135-213-000
Buoyancy	8006-5202: Buoyancy 929 x 654 x 612 mm, 166 kg (weight in air), 92 kg (weight in water – net buoyant)
MS Adapter Stab	8006-5103: MS Adapter Stab 354 x 178 mm (diameter), 6 kg (weight in air), 0.8 kg (weight in water)
Battery	256-206-000 Alkaline