

Kongsberg cNODE Maxi Transponder



Key Features

- Operates together with HiPAP®, HPR and cPAP® transceivers
- Compatible with both Cymbal® acoustic protocol for positioning and data link, and HiPAP®/HPR 400 channels and telemetry
- SSBL positioning
- LBL positioning
- Range accuracy is in the order of 0,01m between transponders
- Acoustic telemetry link for command and data transfer
- Both transponder and responder functions
- Pressure relief valve and vent screw (safety devices)
- External connector for transponder configuration and software update via serial line (TTC 30)
- Modular design such that the transducer, transponder electronics, battery pack and optional add-on's can be replaced individually

Kongsberg cNODE® is a family of transponders for underwater acoustic positioning and communication. The transponders operate together with both HiPAP®, HPR and cPAP® transceivers. cNODE® utilises Cymbal® acoustic protocol and is compatible with the HiPAP®/HPR 400 channels and telemetry. cNODE® is designed to cover a large range of applications and this is made possible by the modular design and a specter of different transducers, internal and external sensors, housing materials and other add-on functions.

cNODE® is easy to set-up, operate and maintain. Both new configuration and software can be downloaded from TTC 30 without opening the transponders. The floating collar and release design make the launch/recovery operation safe and easy. Spare parts for cNODE® are based on the main modules.

Technical Specification

Title	Values
Depth Rating	4000m
Operating Temperature	- 5 °C to + 55 °C
TRANSDUCER	
Type	TD30V30H
Frequency Band	Medium Frequency
Beam width	30° vertical/30° horizontal
Receiver sensitivity	85 dB
Source level - max	206 dB/190 dB
Material	Aluminium/Stainless steel
TUBE	
Materials	Aluminium/Stainless steel
Coating	Polyurethane
BATTERY	
Type	Lithium, non-rechargeable



Title	Values
Battery lifetime, Quiescent	2.5 years
No of replies	Up to 11.5 millions

Dimensions

Title	(mm)	(inch)	(kg)	(lb)
	1366mm x 184mm	53.7in x 7.2in	30kg (in air), 13kg (in water)	66.1lb x 28.6lb

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