



cNODE MiniS 34-S



cNODE MiniS Transponder with remote transducer

The cNODE® MiniS 34-S transponder is designed for installation on ROV's, drones/AUV's and towed bodies where for practical installation reasons a remote transducer is required.

The Transponder includes all the features of the standard MiniS models, can be configured by RS232 line or by acoustic telemetry and is fully compatible with HiPAP®, µPAP® and cPAP® medium-frequency underwater positioning systems for precise ranging and positioning utilizing Cymbal acoustic wideband protocol.

cNODE MiniS 34-S has a compact housing for the transponder electronics which can be powered both by the internal rechargeable battery or external power 24 VDC supply.

A range of 4000 m depth rated transducers with different beam patterns are offered that can be selected and fitted to optimize mission performance. The transmit power level for the transducers can be stepped in 4 levels to suit range and conditions.

- 500+ Cymbal Wideband Channels
- SSBL and LBL Ranging
- Responder Mode
- Rechargeable battery Li-Ion
- External power supply
- Choice of remote transducers
- Works with HiPAP, µPAP and cPAP
- 4000m depth rating
- RS232 Comms to setup and change channel

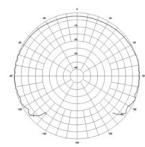
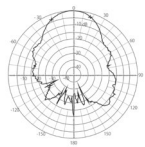
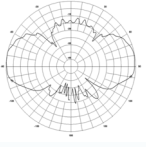




TECHNICAL DATA cNODE MiniS 34-S

Frequency	20-30 kHz (MF)
Signal type	Cymbal wideband and FSK
Responder and beacon mode	Yes
Range accuracy	Better than 0.02 m
Depth rating	4000 m
External power supply	24 VDC / 1 A
Subsea connector	Seacon MCBH8M
Housing	Aluminium
Length x diameter (mm)	279 x Ø 79
Weight in air/water (kg)	2.3 / 1.8
Part number	414030

TRANSDUCER INFORMATION

Transducer model	TDR180	TDR40V	TDR30H
Transducer beam pattern			
Beam coverage	180° vertical	40° vertical	30° horizontal
Maximum source level (re 1µPa)	188 dB	203 dB	188 dB
Trigger level	<85 dB	<80 dB	<85 dB
Range capability (m) *)	3000+	5000+	3000+
Length x diameter (mm)	160 x Ø 88	161 x Ø 100	213 x Ø 77
Weight in air/water (kg)	1.7 / 1.0	2.3 / 1.3	1.5 / 0.8
Depth rating (m)	4000	4000	4000
Part number	349742	349743	345773

*) Range capability is depending on transponder's transmit power setting, vessel's acoustic system and influence of ambient noise and ray bending.

ACCESSORIES

Part no.	Item
345772	6m cable for remote transducer
404199	Battery charger