

SIMRAD RPT324 DEEP WATER MINI TRANSPONDER



GENERAL DESCRIPTION

The Kongsberg Simrad RPT 319/324 Transponder is a new design of medium frequency HPR Series compatible mini-transponder, for applications where a small and lightweight unit is required. The new mini-transponder has all the features of the original Kongsberg Simrad MHT Transponder, with the additional benefits of:

- External channel selection
- 14 x HPR 300 channels and 56 x HPR 400 channels available
- Operator selectable source level to optimise sensitivity
- Operator selectable battery life requirements
- Increased battery life
- Faster battery charging
- Improved mechanical protection

Similar in size to the original MHT transponder, the Kongsberg Simrad RPT 319/324 is available with a moulded protective plastic coating. All switches and connectors are recessed within the lower end cap for added protection. Compatible with all existing HPR 300 systems, this new model is also now compatible with the full range of channels available in the Kongsberg Simrad HPR 400 and HiPAP Series positioning systems. Expandability for the future addition of various sensors is built-in.

RPT 324/N

Model with $\pm 45^\circ$ beam pattern and lithium or rechargeable battery pack. Transponder and Responder operation. 2000 meters depth rating.



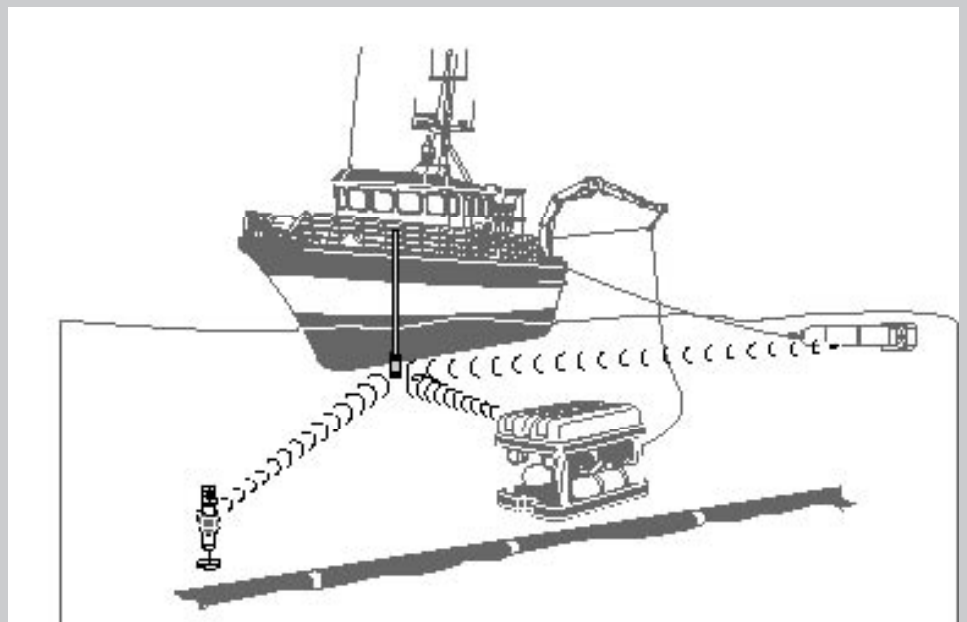
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OCEANSCAN LIMITED
DENMORE ROAD, BRIDGE OF DON, ABERDEEN,
SCOTLAND, U.K., AB23 8JW
TEL: +44(0)1224 707000, FAX: +44(0)1224 707001
Email: rental@oceanscan.co.uk, Website: www.oceanscan.co.uk
Accredited to BS EN ISO 9001:2000

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TECHNICAL SPECIFICATIONS

Maximum depth rating:	2000 m
Source level (rel.1 mPa ref. 1 m):	195 dB
	Source level can be reduced by 4 dB using an internal link
Receiver sensitivity (rel.1mPa):	98 dB
	Sensitivity can be decreased by 10 dB using an internal link
Transducer beam:	$\pm 45^\circ$
Housing material:	Hard anodised aluminium
Coating:	Polyurethane
Weight in air:	2.5 kg
Weight in water:	1.2 kg
External diameter:	75 mm with coating
Overall length:	328 mm
Channels:	All HPR Transponder channels excluding emergency "A" and "B"
Power supply options:	<ul style="list-style-type: none">• Internal rechargeable battery• External 23-30 Vdc
Battery life Rechargeable battery	
Quiescent:	37 days
Active (1 ping/second):	20 hours
Number of replies:	72.000



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