

HydroPACT 660

Subsea Pipe Tracking System

The new benchmark for small ROVs

With HydroPACT 660 Teledyne Marine brings the world's smallest submarine, pulse induction pipe tracker to market. Built upon the already established, industry standard and world leading TSS HydroPACT 440 system, the HydroPACT 660 continues the legacy by bringing pipe tracking and UXO detection capabilities to small inspection and observation class ROVs, for applications that were previously only available on larger vehicles such as work class ROVs and trenchers.

The new HydroPACT 660 sports a single small form factor coil array measuring 1200mm x 600mm, which, weighing in at <19kg (including tail), has an operating range of greater than 85% of that of the significantly larger HydroPACT 440 system. This smaller and lighter coil array features an integrated cable for even greater reliability and is very well-suited to smaller ROVs, offering users the opportunity to significantly reduce their operating costs on future projects.



Its interface utilises the well-known and intuitive DeepView for Windows™ software, running on a choice of topside computer (SDC10 as standard with the RMC10 option), making it an effortless transition moving from either of the existing TSS pipe and cable tracking products to the new HydroPACT 660. This makes it incredibly cost-effective to switch between any of the products within the HydroPACT product family.

The HydroPACT 660 compliments the existing 440 as it addresses a market where size and weight is of absolute importance for use on smaller subsea vehicles, while the 440 is still the best choice if absolute range is critical. The HydroPACT 660 is supplied in a 3,000 metre rated housing with either 110VAC or 24VDC PSU (Power Supply Unit) pod.

PRODUCT FEATURES & BENEFITS

- Smaller (60%) and lighter (70%) coil array with a better drag coefficient suitable for inspection and observation class ROVs
- More flexible power options available
- Uses well-established pulse induction technology
- Easy to use and known operation
- Simple installation
- Gives accurate survey information regardless of vehicle heading
- Suitable for TMS launched systems without folding the coil assembly which means less risk of damaging the coil as well as fewer mechanical parts
- Less drag and smaller size enables use on smaller vehicles and TMS launched systems
- 24VDC and 110VAC PSU (Power Supply Unit) pod options
- Reliable and proven technology
- Operates the same as the 440, with no time consuming set-up or pre-operational calibration required
- Only one coil assembly to be fitted with optional extension cable available
- A single solution suitable for operations in high-current environments
- Provides reliable and high integrity data
- Intuitive interface not requiring highly trained technicians to use



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TECHNICAL SPECIFICATIONS

System Performance	Detection range	2.5cm armoured cable depth and tracking at 1.0m	
	(in a low noise environment)	1cm unarmoured cable depth and tracking at 0.5m	
		15cm armoured cable depth and tracking at 1.5m	
		10" pipeline depth and tracking at 2.5m	
		4" pipeline depth and tracking at 1.8m	
		4" umbilical depth and tracking at 1.8m	
	Vertical measurement accuracy	The greater of 5cm or 5% slant range.	
	(in a low noise environment)		
Coil Array	Dimensions	1200mm (w) x 600mm (l)	
	Weight	18.5kg in air; 6.3kg in water (including 2m tail)	
Power Supply Unit Pod	Power input	110VAV	24VDC
	Dimensions	148mm (ø) x 468mm (l)	148mm (ø) x 328mm (l)
	Weight	13.4kg in air; 3.8kg in water	10.0kg in air; 3.3kg in water
Subsea Electronics Pod	Dimensions	148mm (ø) x 468mm (l)	
	Weight	14.0kg in air; 4.4kg in water	
	Communication	RS-232	
	Power input	110VAC or 24VDC (option upon order)	
Surface Display Computer	Hardware	19" ruggedised touch screen panel PC	
		Rear mounted comms for all external interfaces	
	Display resolution	1280 x 1080	
	Dimensions	599mm x 480mm x 345mm (including transit case)	
	Power consumption	250W (max)	
	Shock resistance	Operating: better than 5g for <10ms; Non-operating: better than 40g for <10ms	
Altimeter	Dimensions	140mm (ø) x 290mm (h)	
	Frequency	200kHz	
	Range	30cm to 30m	
Depth Rating		All subsea components are depth rated to 3000m	
Compliance		Goods may be subject to export control - details upon quotation	
Warranty		12 months international warranty including parts and labour	
Options		RMC10 (rack mount computer, see separate datasheet)	
		Contact us for optional cable lengths	
		Extended warranty	



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Specifications subject to change without notice.

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