



# VT TSS 350 PIPE & CABLE SURVEY SYSTEM

TSS 350 Cable Survey System has been developed to meet the need for accurate subsea cable location in a compact modular system that provides advanced features whilst remaining easy to use.

The TSS 350 system is specifically designed for the detection and survey of tone-carrying cables. Featuring a comprehensive software display and menu structure, real-time information is presented in a clear graphical format and provided as a digital output for storage and subsequent processing.



## FEATURES AND BENEFITS

- Good detection range
- Accurate and reliable survey data with Quality Control envelope
- Combination of advanced DSP technology and proven tone-detection techniques
- Tone frequency discrimination
- Efficient location of cables at all burial depths
- Confidence in survey data; Provides efficient post-processing
- Allows accurate location of all tone-carrying cables
- Allows location and survey of one cable among other cables and subsea pipelines and structures
- Designed to be installed on a wide range of subsea vehicles

## TECHNICAL SPECIFICATION

<b>System Performance</b>	<b>(dependent on tone - stated performance is based on 25Hz tone at 10mA current)</b>	<b>Altimeter</b>	
Vertical measurement accuracy	5cm or 5% of slant range - whichever is greater. Stated accuracy applies within an envelope approximately 4.2m wide and 4.0m deep	Dimensions	ø140mm x 290mm
Maximum detection range	Cable detected at vertical range up to 10m and within a total horizontal swath width of 20m centred on the coil array	Frequency	200 kHz
		Range Minimum:	30cm
		Maximum:	30m
		Connection Cable	4m length (optional 7m length)
		Connection	to Subsea Electronics Pod
		Depth-rating	All subsea components are depth-rated to 3000m
		Field Support Kit (FSK)	Supplied as part of the recommended system
<b>Subsea Electronics Pod (SEP)</b>			
Dimensions	ø140mm x 450mm		
Weight In air:	10kg,		
In water:	2 kg		
Temp. range	Operating: 0° to 55°C		
Storage:	-20° to 70°C		
SDC	2-wire 20mA digital current loop or 4-wire		
Communication	2-wire 20mA digital current loop or 4-wire 20mA digital current loop, RS232 or RS422 via multiplexer		
Voltage input	110V ac (input range 98-135V ac)		
Option:	240V ac (input range 198-270V ac)		
Power	400VA		
Input frequency	57-63Hz (@ 100/132V) 47-53Hz (@180/264V)		

Note: Dynamic Positioning Services reserve the right to amend this specification without prior notice.