



VT TSS 440 PIPE & CABLE SURVEY SYSTEM

The TSS 440, based on the industry standard TSS 340, utilises pulse induction technology and advanced digital signal processing to accurately determine ranges to buried pipelines or cables. The system is capable of detecting any conductive material and advances in signal processing techniques enable the TSS 440 to detect at greater ranges than any other pulse induction based survey tool.

A fully integrated system, the TSS 440 combines location, steering and accurate depth of burial survey data to suit a wide variety of applications.



FEATURES AND BENEFITS

- Pulse induction technology allows for accurate survey information regardless of vehicle heading
- Windows™ based display and control software
- DSP techniques give redundancy in target information
- Long range detection of buried subsea targets
- Fully integrated system with altimeter, spares and documentation
- No time consuming vehicle calibrations required
- Easy to operate
- Improved QC features
- Improved operating window
- Simple to install and service

TECHNICAL SPECIFICATION

Subsea Electronics Pod (SEP)

Dimensions	ø140mm x 450mm	
Weight In air:	10kg, In water: 2 kg	
Communication	20mA 2 or 4 wire digital current loop or RS232 via one or two twisted pair or multiplexer	
SDC Hardware	102 key keyboard, 14" colour VGA monitor, standard 19" rack mounting	
Description	80386DX 25Mhz running MS-DOS version 5.0	
Disk Size	Hard drive: 210 Mb Floppy drive: 1.44Mb (3.5")	
Ports	4 serial, 2 parallel	
Interface	20mA current loop, data logger, altimeter, printer, video in/out PAL format (optional NTSC format)	
Voltage input	100/240V ac (input range 98-132 V ac/196-264V ac)	
Power	400VA	
Input frequency	48-62Hz	
Shock resistance	Operating: better than 5g for <10ms Non-operating: better than 40g for <10ms	
Depth rating	All subsea components are depth rated to 3000m	
Search Coils	Size in mm	1000×1000×30
(3 coil system supplied with a non-conductive mounting frame)	Weight In air	10kg
	In water	2.5kg

Power Supply Pod (PSU)

Dimensions	ø140mm x 450mm
Weight In air:	10kg, In water: 2 kg
Voltage input	Voltage Input: 110V AC (240V Optional)
ROV connection	Via 8-way waterproof connector

Surface Display Console (SDC)

SDC Hardware	102 key keyboard, pointing device, 15" TFT monitor, standard 19" rack mounting
Description	Pentium 4 running Windows 2000
Disc size	Hard disc: 20 Gb Floppy disc: 1.44 Mb CD: 16 x read
Ports	4 serial, 2 parallel, 1 ethernet
Interface	20 mA current loop, data logger, altimeter, printer, video overlay PAL format
Voltage input	110V-220V AC, 400 Watt
Input frequency	48-62 Hz
Shock resistance	Operating: better than 5g for < 10ms Non-operating: better than 40g for < 10ms

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