



VT TSS 340 PIPE & CABLE SURVEY SYSTEM

The TSS 340 is a radically different approach to pipe and cable surveys. Target detection is performed through pulse induction, which provides considerable advantages over magnetometer-based systems. The TSS 340 can locate conductive material, (exposed or buried) and outputs highly accurate survey data on most types of subsea pipeline or cable. It is also effective for use in ordnance retrieval and debris clearance projects.

The major advantage of the TSS 340 is that terrestrial magnetism has no effect on data output, which allows accurate survey in areas around subsea structures.

A fully integrated system, the TSS 340 combines location, steerage and accurate depth of burial survey data to suit a wide variety of operations.



FEATURES AND BENEFITS

- Pulse induction technology regardless of vehicle heading, allows survey around subsea structures
- Detects conductive target cancelling out subsea vehicle
- Comprehensive software display and menu structure
- Simple to use
- Quality control envelope and flag
- On-line and logged indication of system performance limits
- Modular design of systems components
- Installation onto a wide range of subsea vehicles
- Fully integrated system with altimeter, spares and documentation
- Simple to install and service
- Comprehensive data output string
- Ease of data processing and interface to survey equipment

TECHNICAL SPECIFICATION

Subsea Electronics Pod (SEP)

Dimensions	140mm 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	20mA digital current loop or RS232 via one or two twisted pair or multiplexer
Description	80386DX 25Mhz running MS-DOS version 5.0
Disk Size	Hard drive: 210 Mb
Floppy drive:	1.4Mb (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

Power Supply Pod (PSU)

Dimensions	140mm x 450mm
Weight In air:	10kg, In water: 2 kg
Voltage input	110V ac (input range 100-130V ac)
ROV connection	Via 8-way waterproof connector

Surface Display Console (SDC)

Dimensions	140mm x 290mm
Frequency	200 kHz
Range Minimum:	30cm
Maximum:	30m
Connection cable	4m length (optional 7m length)

Depth rating	All subsea components are depth rated to 3000m
Field support kit	Supplied as part of the recommended system

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