



SMARTRAK

The Cable and Pipeline Survey Tool



Features

- Real time Horizontal & Vertical position
- Data output for survey and auto controls
- Vehicle Heading Sensor
- Vehicle Attitude Sensor
- Interfaced altimeter
- Pressure (depth) sensing option.

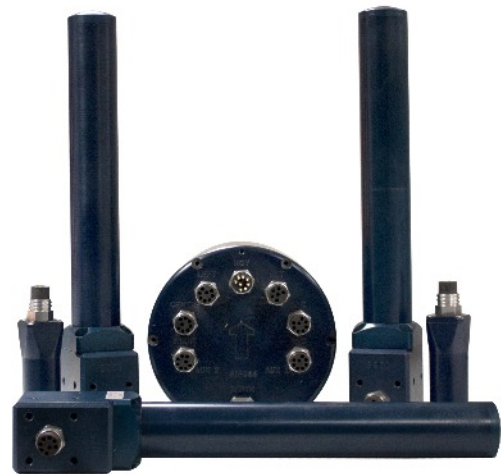
Tracking Modes

- Passive Magnetic
- Active AC "Tone"
- Active DC.

Innovatum SMARTRAK is an ever evolving product line of submarine cable and pipeline location, tracking and survey tools. It offers passive magnetic, active AC and active DC tracking techniques in a single unit allowing the user to change modes at the push of a button rather than a lengthy re-configuration.

Innovatum SMARTRAK is designed to be fitted to ROVs, AUVs, Towed Bodies and surface vessels. The system is compact but performance has not been compromised and these units show much greater accuracy and stability than previous magnetic tracking tools.

Smartrak is also available in Smartak Lite and Smartrak plus.



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Technical Specifications

Performance

Passive Magnetic Mode				
Target Properties		Tracking Range in m		
Type	Size	Detection	Tracking	Survey +/- 5%
Pipeline	4"	3.5	3	2.5
Pipeline	16"	6	4	3
Pipeline	48"	8	6	4
Magnetised Product	25mm	3	2.5	2
Magnetised Product	100mm	4.5	4	3
Magnetised Product	200mm	5	4.5	3.5

Active AC Mode			
Tracking Range in m	Required current in mA on Target		
	Detection	Tracking	Survey +/- 5%
1	10	20	25
2	20	40	50
5	100	150	200

Active DC Mode			
Tracking Range in m	Required current in A on Target		
	Detection	Tracking	Survey +/- 5%
1	1	2	3
2	3	6	10
5	15	30	60

Physical Characteristics

	Length in mm		Weight in Kg		Depth Rating	Material
	Overall	Diameter	Air	Seawater		
SIP Large	240	190	7	3.8	1000m	Aluminium
SIP Large	240	190		n/a	3000m	Titanium
SIP Small	180	16	6	4	1000m	Aluminium
Gradiometer	360	40	1.1	0.3	1000m	Aluminium
Gradiometer	354	45		n/a	3000m	Titanium
AC Sensor	100	32	0.2	n/a	1000m	Aluminium

Interfaces

Power requirements	17 to 75 VDC @ 0.8A
Data communication	RS 232 / RS485
Survey communication	RS 232

All specifications are subject to change in line with Innovatum's policy of continual product development