



- **SMARTRAK** is the **NEW** Pipeline and Cable Tracking product family, designed and manufactured by Innovatum International in the UK
- **SMARTRAK** is smaller, lighter, uses less power and has more performance than previous magnetic pipeline and cable trackers.  

<b>SMARTRAK SIP (Subsea Unit)</b>	Length	24 cms	Diameter	9 cms	Weight in air	7 Kg	Weight in seawater	3.8 Kg
<b>SMARTRAK Sensors</b>	Length	36 cms	Diameter	4 cms	Weight in air	1.1 Kg	Weight in seawater	0.3 Kg
<b>POWER requirements</b>	24 volts DC @ 850mA or 110VAC (AC power available soon)							
<b>DEPTH rating</b>	1000 msw (deeper units by request)							
- **SMARTRAK** may be fitted to smaller vehicles than any other tracking system
- **SMARTRAK** uses automated calibration routines to improve performance and make operation simpler.
- **SMARTRAK** is supplied in one wheeled case, ready to fit and run, complete with Tritech altimeter, all cables and a laptop PC
- **SMARTRAK** is produced in several different configurations:
  - ◆ **SMARTRAK 3** – Passive Magnetic tracking only
  - ◆ **SMARTRAK 6** – Tone tracking only
  - ◆ **SMARTRAK 9** – Passive Magnetic and Tone tracking in one unit

**SMARTRAK** prices start at **GB£ 51,350.00**

Contact **TERRY SLATER AND ROB NUNN** at **INNOVATUM International Ltd** for further information

The following table gives **SMARTRAK** system performance as measured in a laboratory environment, and the estimated performance when installed on an ROV. These performances are based on existing array configurations. New arrays are in test now, and significant performance gains will be available soon

	System Alone	System on Vehicle **
<b>1. Passive Pipe</b> (Data only normally available for approximately 80% of pipelength)		
Tracking & Depth (+/- 25 cm)	<b>4" dia</b> 5 metres <b>16" dia</b> 8 metres <b>48" dia</b> 10 metres	3 metres 6 metres 7 metres
<b>2. AC Tone Tracking Mode</b>		
Detection	2.5 mA @ 2 metres 40 mA @ 30 metres	5 mA @ 2 metres 80 mA @ 30 metres
Detection & Direction	5 mA @ 2 metres	10 mA @ 2 metres
Tracking & Depth (+/-10 cm)	5 mA @ 1 metre	10 mA @ 1 metre
<b>3. DC Current Tracking Mode</b>		
Detection	0.4A @ 1.5 metre or 1.6A @ 3 metres	0.4A @ 0.75 metre 1.6A @ 1.5 metre
Detection & Direction	0.4A @ 0.75 metre or 1.6A @ 1.5 metre	0.4A @ 0.5 metre 1.6A @ 1 metre
Tracking & Depth (+/- 25cm)	0.4A @ 0.5 metre or 1.6A @ 1 metre	0.4A @ 0.4 metre 1.6A @ 0.8 metre
<b>4. Passive Cable 25mm (Magnetised)</b> Only cables with a steel wire content can be tracked passively		
Detection	5 metres	3 metres
Tracking (+/- 5 cm)	3 metres	2 metres
Tracking & Depth (+/- 5 cm)	2 metres	1.5 metres

\*\* Vehicle AC noise estimated at 0.2 nanotesla at sensors

\*\* Vehicle DC noise estimated at 20 nanotesla per foot at sensors)

Infield performance may be degraded due to local magnetic disturbances, vehicle noise, poor installation and incorrect operation