

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 **
1. Passive Pipe (Data only normally available for approximately 80% of pipelength)		
Tracking & Depth (+/- 25 cm)	4" dia 5 metres 16" dia 8 metres 48" dia 10 metres	3 metres 6 metres 7 metres
2. AC Tone Tracking Mode		
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
3. DC Current Tracking Mode		
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
4. Passive Cable 25mm (Magnetised) 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