

INNOVATUM

SMARTRAK
PERFORMANCE

The following table gives **SMARTRAK** system performance as measured in a controlled environment. These performances are based on existing array configurations. New arrays are in test now, and significant performance gains may be available soon!

MODE	DETECTION	TRACKING	SURVEY +/- 5cm/3%
PASSIVE PIPELINE	4" 3,5m 16" 6m 48" 8m	3m 4m 6m	2,5 m 3 m 4 m
AC (TONE)	10 mA @ 2m	10 mA @ 1m	15 mA @ 1m
DC CURRENT	1 A @ 1.5m	2 A @ 1.5m	4 A @ 1.5m
DC TWIN CONDUCTOR	3m	2.5m	2m
MAGNETISED PRODUCTS	25 mm 3m 100 mm 4m 200 mm 5m	2.5m 4m 4.5m	2m 3m 3.5m

Notes:

1. Infield performance may be degraded due to local magnetic disturbances, vehicle noise, poor installation, vessel proximity and incorrect operation
2. All distances are from the sensor reference to the top of product
3. "Detection" means the presence of a target is indicated
4. "Tracking" means valid horizontal data is available and a linear target may be followed
5. "Survey" means valid horizontal and vertical data is given
6. AC (Tone) performance is proportional to the square root of the net monoconductor equivalent current. Great care must be taken to avoid positional errors due to incorrect current return paths
7. "Magnetised products" are assumed to be magnetised using the patented INNOVATUM methods
8. DC Twin Conductor installations are assumed to be carrying >250 A and the conductors to be strapped together, with the major axis horizontal
9. More detailed performance estimates are available for specific products



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