Industry's most sensitive locator

$5E^{-15}$ Tesla

Large dynamic range and exceptional selectivity

140dB

Delivers best in class performance

Powerful DSP platform and advanced algorithms

RD4000 TECHNICAL SPECIFICATION			LOCATING DEPTH GUIDE 10mA active locate signal - typical locate depths
SENSITIVITY AT SPOT FREQUENCIES	**FREQUENCY**	**SENSITIVITY @ 1m**	**GOOD CONDITIONS**
Active frequencies at 8Hz b/w	50Hz or 60hz	2 ma	3 m (10ft)
Refer to configuration for available frequencies	15 - 30kHz	25 µA	3 m (10ft)
	512Hz or 640Hz	50 µA	5 m (16ft)
	8kHz	5 µA	5 m (16ft)
	33kHz	5 µA	5 m (16ft)
	65kHz	6 µA	5 m (16ft)
	131kHz	6 µA	5 m (16ft)
	200kHz	8 µA	5 m (16ft)
	CD pairs	50 µA	5 m (16ft)
CURRENT READING	± 5% Active signal bw limited		
FAULT FINDING	Diagnose faults from s/c to 2M ohm		
LOCATE QUALITY	Dynamic Range 140dB@10Hz bandwidth Selectivity 120dB/Hz up to 200kHz Sensitivity $5E^{-15}$ Tesla (32,768Hz, 1Hz b/w)		
LOCATE ACCURACY	±5% of depth, good condition Depth achievable dependent upon signal current on line (Note greater depth means broader peak response)		
DEPTH ACCURACY on undistorted signal	Line ± 2.5% 0.1 m to 3 m (4in to 10 ft) Sonde ± 2.5% 0.1 m to 7 m (4in to 16 ft)		
BATTERIES	4 x LR20 (D) 1.5 V alkaline. 40 hours life, nominal @ 20ºC (68ºF), intermittent use Compatible with D type NiMH rechargeable batteries		
WARRANTY 12 months as standard	Further 12 months at no extra charge on return of warranty card Additional 12 months warranty – chargeable option		
EMS Tranceiver MRx option	Range to standard marker balls to 2m (6ft); 5m (16ft) on deep marker disks Dual mode line locate and marker locate		
External data logging	For report generation and support		
ANTENNA MODES			
PEAK	Standard locate mode – all purpose locate		
NULL	L and R arrows for simple locate		
SINGLE	Highest sensitivity – for location of deep targets		
FAULT FINDING ON PDL			
	With the A frame accessory and three fault finding methods, RD4000PDL accurately locates cable sheath and pipe coating faults typically up to 2M ohm impedance		
8kFF	Ideal for cable sheath faults. High voltage to locate high impedance. 8kHz locate signal		
LFFF	4Hz/8Hz good for finding coating faults on pipelines		
CDFF	640Hz/320Hz (512Hz/256Hz) good distance locate of pipeline coating faults 640Hz (512Hz) simultaneous locate signal		