

RD5100 Precision Pipe and Cable Locator Series

Tracing buried pipes and cables can often present major difficulties and this can be made even worse where a pipe has rubber seals, insulators or even gaps between sections. These problems, if not overcome, can result in costly repairs, delays and in some instances personal injury.

The RD5100 Series has been designed to address these issues, specifically addressing the concerns and challenges of users such as those in the Water and Gas Industries locating buried pipes and cables.



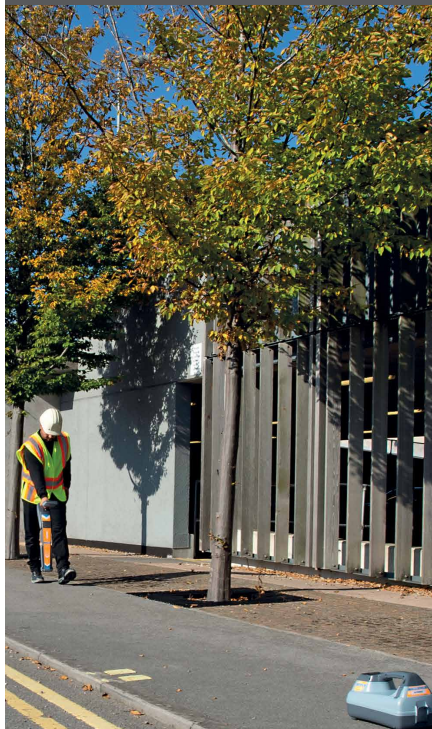
RD5100H₂O

A precision locator/transmitter pair offering 83kHz Guidance mode and Power mode. 83kHz is very well suited to uses such as disjointed pipes and cables, as well as plastic pipes with tracer wire. The signal can be applied either by direct connection, by clamp or by induction, which is also an excellent way of lighting up all nearby conductors for blind locates.

Both the H₂O locator and transmitter come with rechargeable Li-Ion as standard, providing extended runtime and reduced running costs.



RD5100H₂O+



A precision locating kit offering a suite of active, passive and sonde frequencies specifically targeting the needs of Water Industry users. Guidance mode helps you trace your target with user-friendly visual and audio guides, while iLOC™ allows you to control the transmitter remotely using the locator.

RD5100S

A precision locator of 3 different sonde frequencies for tracing all types of non-metallic pipe and for following the progress of a sonde-enabled pipeline camera system, such as Pearpoint's Inspection Systems. Upgrade with up to 4 active line locating frequencies later as your needs develop.



Specifications	RD5100H ₂ O	RD5100H ₂ O+	RD5100S
Active frequencies			
512/640Hz			●
4kHz CD ¹		✓	
8kHz		✓	●
9.8kHz		✓	
33kHz		✓	●
65kHz		✓	●
83kHz	✓	✓	
131kHz		✓	
200kHz		✓	
Passive frequencies			
Power	✓	✓	
Radio		✓	
Sonde frequencies			
512/640Hz		✓	✓
8k		✓	✓
33k		✓	✓
Transmitter			
1W	✓		
10W		✓	
iLOC™		✓	
Features			
Guidance Mode	✓ (83kHz)	✓	✓
Setting to turn off Target Position Indicator in Guidance mode		✓	
Peak+ Mode with Guidance Arrows			✓
Power mode	✓	✓	
Gain for Power mode	✓	✓	
StrikeAlert™		✓	
Rechargeable batteries	✓	■	■
Simultaneous depth and current readout (Line location)	✓	✓	✓
eCert™	✓	✓	✓
3 year warranty on product registration	✓	✓	✓

✓ Standard feature

● Option, can be purchased later (requires return to service center)

■ Option

¹ CD= Current Direction (see operation manual for details)

Physical Characteristics

Design:

Ergonomic, balanced and lightweight design for comfortable use during extended surveys

Construction:

Injection Molded ABS Plastic

Weight – with Lithium-Ion battery pack

fitted: Metric: 1.8kg Imperial: 4.0lb

Weight – with D-cell alkaline batteries

fitted: Metric: 1.9kg Imperial: 4.2lb

Ingress Protection rating:

IP65

Protected against dust ingress and jets of water¹ applied from any direction

Display type:

High contrast custom made monochrome LCD

Audio options:

Built-in waterproofed speaker

3.5mm headphone socket

Operating temperature²:

Metric: -20 to 50°C Imperial: 14 to 122°F

Storage temperature:

Metric: -20 to 70°C Imperial: 14 to 158°F

Unit dimensions:

Metric: 648mm × 286mm × 125mm

Imperial: 25.5" × 11.3" × 4.9"

Shipping dimensions:

Metric: 700mm × 260mm × 330mm

Imperial: 27.6" × 10.2" × 13"

Shipping weight (with batteries fitted):

Metric: 2.6kg Imperial: 5.7lb

¹ Water projected by a nozzle at a pressure of 30kPa / 0.3 bar / 4.4 psi in accordance with BS EN 60529 1992 A2 2013.

² At very low temperatures, battery life will be degraded and measurement precision may be reduced.

RD5100 Series supersedes RD5000

Radiodetection's RD5000 products will be phased out with the introduction of the RD5100 series that provides improvements in performance, capabilities and options.

Visit www.radiodetection.com

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