

# 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.



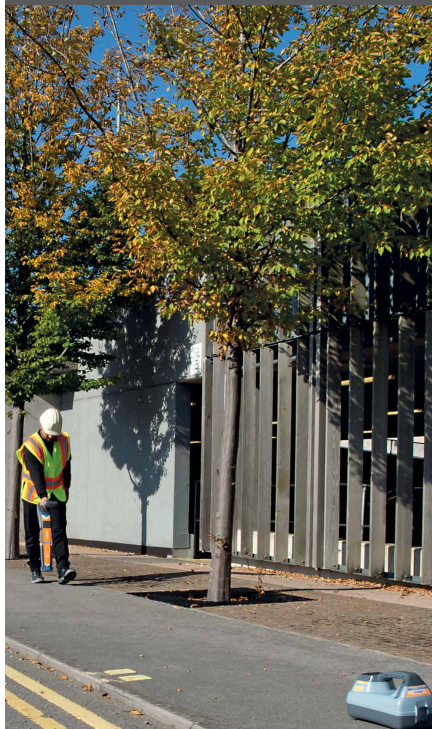
## RD5100H<sub>2</sub>O

A precision locator/transmitter pair offering 83kHz Guidance mode and Power mode with depth. 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 H<sub>2</sub>O locator and transmitter come with rechargeable Li-Ion as standard, providing extended runtime and reduced running costs.



## RD5100H<sub>2</sub>O+



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	RD5100H2O	RD5100H2O+	RD5100S
<b>Active frequencies</b>			
512/640Hz			●
4kHz CD <sup>1</sup>		✓	
8kHz		✓	●
9.8kHz		✓	
33kHz		✓	●
65kHz		✓	●
83kHz	✓	✓	
131kHz		✓	
200kHz		✓	
<b>Passive frequencies</b>			
Power	✓	✓	
Radio		✓	
<b>Sonde frequencies</b>			
512/640Hz		✓	✓
8k		✓	✓
33k		✓	✓
<b>Transmitter</b>			
1W	✓		
10W		✓	
iLOC™		✓	
<b>Features</b>			
Guidance Mode	✓ (83kHz)	✓	✓
Setting to turn off Target Position Indicator in Guidance mode		✓	
Peak+ Mode with Guidance Arrows			✓
Power mode with depth	✓	✓	
Gain for Power mode with depth	✓	✓	
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

<sup>1</sup> CD= Current Direction (see operation manual for details)

Visit [www.radiodetection.com](http://www.radiodetection.com)

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90/RD5100-SPEC/02

## 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 water<sup>1</sup> applied from any direction

### Display type:

High contrast custom made monochrome LCD

### Audio options:

Built-in waterproofed speaker

3.5mm headphone socket

### Operating temperature<sup>2</sup>:

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 x 260mm × 330mm

Imperial: 27.6" x 10.2" x 13"

### Shipping weight (with batteries fitted):

Metric: 2.6kg Imperial: 5.7lb

<sup>1</sup> 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.

<sup>2</sup> 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.