

# RD312

## Metallic Cover Locator

The RD312 locator sets a new standard of simplicity and dependability for finding valve box covers, vault covers and manhole covers lost under blacktop, concrete or grass.

The RD312 locator reduces time wasted looking for lost covers and is the right choice for speeding up site work and achieving fast payback.

The RD312 automatically adjusts its sensitivity to suit its present environment. It can be used near metal fences and even under parked cars, with no loss of accuracy.



### Features

- Easy two button operation, ON/RESET and OFF
- Automatic sensitivity adjustment for peak performance
- Advanced electronics makes location less time consuming
- Variable audio tone indicates presence of buried object
- Angle and height of search head fully adjustable
- Waterproof search head allows use in shallow water
- Lightweight, telescoping design for easy storage

### Performance

The RD312 locator finds metal covers at depths down to:

- 4 in (10 cm) cast iron cover 12 in (30 cm)
- 6 in (15 cm) cast iron cover 16 in (41 cm)
- 4 in (10 cm) plastic cover with metal plate 8 in (20 cm)
- Cast iron cover 17 in (43 cm) x 12 in (30 cm) 24 in (61 cm)
- Galvanized steel cover 25 in (63 cm) x 19 in (48 cm) 30 in (76 cm)
- Cast iron cover 25 in (63 cm) x 19 in (48 cm) 30 in (76 cm)
- Ignores buried metal trash
- No interference from passing vehicles



**Radiodetection®**  
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## Product Specifications

- **Product:**  
Precision Metal Cover Locator
- **Part Number**  
10/RD312
- **Weight**  
2.2lbs/1kg
- **Weight (shipping)**  
4.4lbs/2kg
- **Dimensions**  
28 in x 10 in x 4 in  
(78 cm x 25 cm x 10 cm)
- **Dimensions (ship)**  
31 in x 10.2 in x 5.5 in  
(79 cm x 26 cm x 14 cm)
- **Construction**  
Head/Housing – high impact ABS  
mid-black plastic for mechanical strength  
Stern – 22 mm aluminum tube  
Weatherproof to NEMA 3R and IP54  
Withstands 3ft. (1m) drop onto concrete
- **Operating Modes**  
Green button – ON/sensitivity/reset;  
Red button – OFF
- **Locate Range**  
Absolute limits of location range cannot be accurately specified. As a guide the RD312 will detect buried metal covers to the following depths:  
Manhole cover – size 25 in (53 cm);  
depth 30 in (76 cm)
- Valve box – size 6 in (15 cm); depth 16 in (41 cm)  
Plastic valve box (locatable) – size 4 in (10 cm); depth 8 in (20 cm)
- **Operating Temp Range**  
5°F to + 122°F (-15°C to +50°C)
- **Audio Indication**  
Varying pitch tone from loudspeaker.  
Highest pitch indicates maximum response over target. The use of optional headphones disables the weatherproof loudspeaker. Audio battery “OK” indication
- **Gain Control**  
Maximum at switch on, can be reduced by the operator. Auto Gain Reset feature
- **Batteries**  
1 x 6LR61 9V Alkaline  
30 hours life, nominal at 68°F (20°C)  
continuous use  
Rechargeable option (information available)
- **Miscellaneous**  
Options – Summer Headphones,  
Winter Headphones, Padded Nylon Carry Bag  
Quality Control – BS EN ISO 9001 2008  
EMC – CE complies with European EMC Directive 2004/108/EC  
Warranty – 12 months



To see the full range of products and services provided by Radiodetection visit:  
[www.radiodetection.com](http://www.radiodetection.com)

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