

# RD385L Directional Drill Tracker Locator Technical Specification

**Description:** RD385L Buried cable, pipe and directional drill pipe boring machine locator tracker.

**Part No:** 10/RD385.

**Physical:**

**Construction:** High impact thermoplastic weatherproof to NEMA 3R.

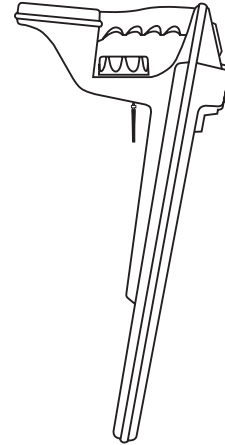
**Ruggedness:** Withstands 1 m (3 ft) drops onto concrete.

**Dimensions:** 60.5 x 29 x 13.5 cm (24 x 11.5 x 5.3 in).

**Shipping Box Size:** 63.5 x 35.5 x 14.6 cm (25 x 14 x 5.5 in).

**Weight:** 2.3kg (5 lb).

**Shipping Weight:** 3.6 kg (8 lb).



**Operating Modes:**

Mode	Frequency	Sensitivity @ 1 m	Locating Depth Guide (m/yds)	
			Good Conditions	Poor Conditions
Power	30 Hz-3.5 kHz	20 mA	3	2
Radio	14-26 kHz	30 $\mu$ A	2	1
8	8.192 kHz	100 $\mu$ A	5	2
33	32.768 kHz	30 $\mu$ A	5	2
Datasonde	8.192 kHz	--	10	8

Locate Accuracy:  $\pm 5\%$  of depth.  
 Current Accuracy:  $\pm 10\%$  of actual current.  
 Depth Accuracy:  $\pm 5\%$  of depth.  
 Depth Range: Line - 3 m (10 ft)  $\pm 5\%$ .  
 Sonde - 8 m (26.2 ft)  $\pm 5\%$  dependant on sonde.  
 RD380 Data Sonde - 5 m (16 ft)  $\pm 5\%$ .  
 RD385 Data Sonde - 15 m (50 ft)  $\pm 5\%$ .

**Visual Indication:**

Two section Liquid Crystal Display indicating the following:  
 Signal Strength (%)    Line Depth    Sonde Depth  
 Induced Current    Gain Level    Operating Mode  
 Line/Sonde Mode    Speaker Volume    Backlight On  
 Battery Status

Data Sonde Roll, Tilt Temperature, Park, Battery Status.

**Audio Indication:**

Audio signal output through waterproof loudspeaker. Use of optional headphones disables loudspeaker output.

**Search Antennas:**

2 x symmetrical response for Peak operation.

**Gain Control:**

Rotary touch gain control

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**Batteries:** 12 x LR6 (AA) 1.5 V alkaline.30 hours life, nominal @ 20°C (68°F) intermittent use.


**Operating Temperature Range:** -20°C to +50°C (-4°F to +122°F).

**Miscellaneous:**

Options RD385 Dataview remote display.

Compatibility RD380/RD385 Datasondes.

Quality Control BS5750/ISO 9001/EN29001.

EMC  Complies with European EMC Directive 89/336/EEC.

Warranty 12 months.



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