

## RD400PDL-2 Precision Locator Technical Specification

**Description** RD400PDL-2 Precision buried cable and pipe locator.

**Part No.** 10/RD400PDL2 (followed by variant suffix).  
Some variants may not provide all of the modes and features listed below.

### Physical

**Construction** High impact thermoplastic weatherproof to NEMA 3R and IP54.

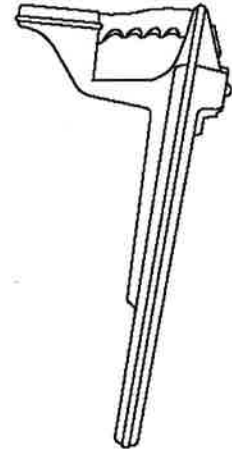
**Ruggedness** Withstands 1 m (3 ft) drops onto concrete.

**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** 2.2 kg (4.8 lb).

**Shipping Weight** 3.6 kg (7.9 lb).



### Operating Modes

Mode	Frequency	Sensitivity @ 1 m	Locating Depth Guide (m/yds)	
			Good Conditions	Poor Conditions
Power	30 Hz-500 Hz	20 mA	3	2
Radio	14-26 kHz	30 $\mu$ A	2	1
CD	640 Hz or 320 Hz	250 $\mu$ A	5	2
8	8.192 kHz	100 $\mu$ A	5	2
33	32.768 kHz	30 $\mu$ A	5	2
65	65.536 kHz	30 $\mu$ A	5	2
Lf	512 Hz or 640 Hz	250 $\mu$ A	5	2
fa	200.000 kHz	50 $\mu$ A	5	2
fb	User defined	--	--	--
CPS	100 Hz or 120 Hz	20 mA	3	2
FF	8 Hz and 8 kHz	1 M $\Omega$	5	2

Locate Accuracy:  $\pm 5\%$  of depth.  
 Current Accuracy:  $\pm 5\%$  of actual current.  
 Depth Accuracy:  $\pm 5\%$  of depth on undistorted signal with no adjacent signals.  
 Depth Range: Line - 3 m (10 ft)  $\pm 5\%$ .  
 Sonde - 8 m (26.2 ft)  $\pm 5\%$  dependent on sonde.



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**Visual Indication** Two section Liquid Crystal Display indicating the following:  
Signal Strength (%)    Line Depth    Sonde Depth  
Induced Current    Current Direction    Gain Level  
Operating Mode    Line/Sonde Mode    Peak/Null Mode  
Left/Right Arrows    Battery Status    Speaker Volume  
Backlight On

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

**Search Antennas** 2 x symmetrical response for Peak operation.  
1 x vertical antenna for Null operation.

**Gain Control** Up/Down keys on fascia.

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

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

**Miscellaneous**

**Options** Accessory Socket, Backlight, Stethoscope, Antenna Clamp, Extended Range Antenna, Submersible Antenna, Sondes, Rechargeable Batteries.

**Compatibility** Recommended Radiodetection Transmitters: RD400LCTx, RD400HPTx, RD433HCTx, RD433HCTx-2.

**Quality Control** BS5750/ISO 9001/EN29001.

**Warranty** 12 months.

