



## RD400PXL Precision Locator Technical Specification

**Description:** RD400PXL Precision buried cable and pipe locator.

**Part No:** 10/RD400PXL

**Physical:**

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

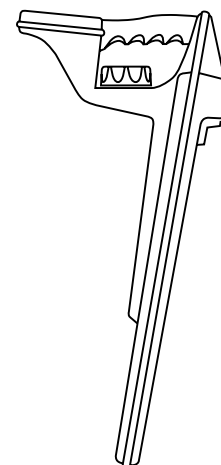
**Ruggedness** Withstands 1 m (3 ft) drops onto concrete.

**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** 2.2kg (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
8	8.192 kHz	100 $\mu$ A	5	2
33	32.768 kHz	30 $\mu$ A	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)  $\pm 5\%$  dependant on sonde.

**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	Peak/Null Mode	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 dual wound symmetrical response for Peak operation.  
 1 x vertical antenna for Null operation.



<b>Gain Control:</b>	Rotary touch gain control
<b>Batteries:</b>	12 x LR6 (AA) 1.5 V alkaline. 30 hours life, nominal @ 20 °C (68 °F) intermittent use.
<b>Operating Temperature Range:</b>	-20°C to +50°C (-4°F to +122°F).
<b>Miscellaneous:</b>	
Options	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.
EMC	CE Complies with European EMC Directive 89/336/EEC.
Warranty	12 months.

