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Test & Measurement

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Complimentary Reference Material

This PDF has been made available as a complimentary service for you to assist in evaluating this model for your testing requirements.

TMG offers a wide range of test equipment solutions, from renting short to long term, buying refurbished and purchasing new. Financing options, such as Financial Rental, and Leasing are also available on application.

TMG will assist if you are unsure whether this model will suit your requirements.

Call TMG if you need to organise repair and/or calibrate your unit.

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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.

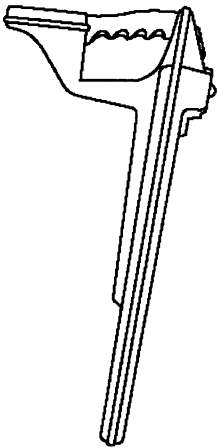
Ruggedness Withstands 1 m (3 ft) drops onto concrete.

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 μ A	2	1
CD	640 Hz or 320 Hz	250 μ A	5	2
8	8.192 kHz	100 μ A	5	2
33	32.768 kHz	30 μ A	5	2
65	65.536 kHz	30 μ A	5	2
Lf	512 Hz or 640 Hz	250 μ A	5	2
fa	200 kHz	50 μ A	5	2
fb	User defined	--	--	--
CPS	100 Hz or 120 Hz	20 mA	3	2
FF	8 Hz and 8 kHz	1 M Ω	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.



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.

