

Gator Cam - Receiver and Transmitter

Technical Specification

GATOR RECEIVER

Description Gator Receiver Precision electromagnetic camera, cable and pipe locator.

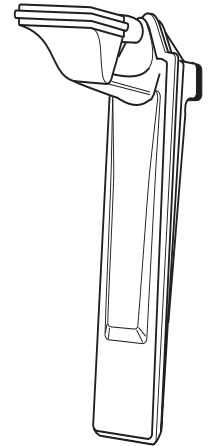
Part No. 70/RD400SL2-CC1-GAT

Physical

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

Ruggedness Withstands 3 ft. drops onto concrete.

Weight 4.8 lb.



Operating Modes

Mode	Frequency	Sensitivity @ 1 m
Power	60 Hz	20 mA
Line	65.536 kHz	30 μ A
Gator	512 Hz	250 μ A

Locate Accuracy: $\pm 5\%$ of depth.

Depth Accuracy: $\pm 5\%$ of depth on undistorted signal with no adjacent signals.

Depth Range: Non-metallic pipe - 10 ft ($\pm 5\%$).

Metallic pipe - 5 ft ($\pm 5\%$).

Camera/Sonde - 25 ft ($\pm 5\%$).

Visual Indication

Two section Liquid Crystal Display indicating the following:

Signal Strength (%) Camera/Sonde Depth

Operating Mode Battery Status Line Depth

Left/Right Arrows (cable locate mode) Speaker Volume

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. 30 hours life, nominal @ 20°C (68°F) intermittent use.

Operating

Temperature Range -4°F to +122°F

Miscellaneous

Compatibility Recommended Radiodetection Transmitter: Gator Transmitter.

Quality Control ISO9001/EN29001/BS5750.

Warranty 12 months.

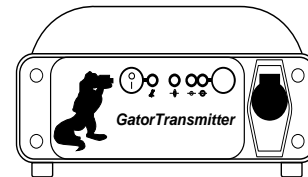


Radiodetection

Riser Bond Dielectric Technologies
Bicotest Pearpoint Telespec

Description Gator Transmitter.
Part No. 70/RD400LCTX-65-GAT

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



Weight 3.3 lb.

Operating Modes

Mode	Frequency	Application
Gator	512 Hz	Camera
Line	65.536 kHz	Connection/Coupler/Induction*

* Automatically selected when no cable or accessory connected.

Audio Indication Induction output or satisfactory connection - Pulsed tone.
 Induction not available or bad connection - Continuous tone.
 Insufficient battery power - No tone.

Visual Indication High brightness LEDs indicate power level and frequency selection.
 Pulsed power level LED indicates induction output or satisfactory connection.

Output Protection Output circuitry protected against inadvertent connection to 110 V rms at 50/60 Hz.

Signal Continuous sine wave.

Performance

Connection Performance	Open Circuit Voltage	Short Circuit Current	Optimum	Power in Load
High Power	17.6 V rms	200 mA	N/A	1 W (all loads less than 300R).
Low Power	7 V rms	80 mA	N/A	¼ W (all loads less than 150R).

Induction Performance	Mode	Field Strength (dBmV/m @ 3 m)	Induced Current (10R cable @ 0.5 m)
	65 k (High power)	119.00	5 mA
	65 k (Low power)	112.00	2 mA

Batteries 4 x LR20 (D) 1.5 V alkaline. 60 hours life, nominal @ 68°F.

Operating Temperature Range +5°F to +122°F

Miscellaneous

Compatibility Recommended Radiodetection Receiver: Gator Receiver

Quality Control ISO9001/EN29001/BS5750

FCC Complies with FCC requirements

Radiodetection
 RR#2 Box 756
 Bridgton Commerce Center
 Bridgton, Maine 04009, USA
 Tel: (207) 647-9495
 Toll Free: 877-247-3797
 Fax: (207) 647-9496
 email: bridgton@radiodetection.spx.com

Radiodetection Ltd
 Western Drive
 Bristol BS14 OAZ, UK
 Tel: +44 (0) 117 976 7776
 Fax: +44 (0) 117 976 7775
 email: sales.uk@radiodetection.spx.com
<http://www.radiodetection.com>



Radiodetection products are under continuous development and are subject to change without notice

All rights reserved

TS036US3