

# Seeker

## Leakage Detector

- High Performance, Frequency-Settable Leakage Detector
- Ideal for Drive-Outs, Pinpointing Leak Location, and Troubleshooting
- Large Numerical Measurement Display
- Sensitive, Stable Measurements, Channel Tag Compatible
- Data Storage and Upload for Documentation

The Seeker™ is a frequency-agile leakage detector specifically designed for efficient distribution leakage management, displaying numerical measurements of leaks on up to ten selectable channels, and emitting a tone proportional to leak strength.

### Mobile or Hand-Held

The Seeker may be used in its mobile mount (included) for drive-outs, or easily removed from the mount for leakage troubleshooting on foot with a rubber duck antenna (included), or optional dipole antenna.

Stable, repeatable readings, multi-frequency operation, and leakage recording simplify leak location and documentation.

### Comprehensive Coverage

Durable, simple to use, and very cost-effective, the Seeker is the flagship of a new generation of Trilithic leakage products, which includes the popular Seeker Lite™ installation leakage detector.

A workforce that includes both of these leakage measurement instruments

ensures leakage-free networks from subscriber to head-end.

### Flexibility

With the initial Seeker system costs being scalable for any number of vehicles, the Seeker Family of leakage detectors offers an unprecedented level of customizable, fleet-based leakage detection options. You can start from fully-manual leakage detection with the Seeker alone and upgrade to find and fix leakage management with the Seeker GPS™ and Leakage Analysis Workshop™ (LAW), and even upgrade again to fully automated leak reporting with the Seeker BB-2™. Equip your fleet with any combination of Seeker, Seeker GPS, or Seeker BB-2 for total leakage management simplification.

### Channel Tag Compatible

The Seeker includes technology compatible with the Trilithic CT-2™ or CT-3™ channel taggers. The Trilithic CT-2 or CT-3 channel tagger is installed in the head-end and used with Trilithic's leakage receivers to help identify leakage sources in overbuilt areas, to increase detection range, and to increase immunity to interference.



### Data Management

The Seeker Setup™ software configures the Seeker, enabling operator to assemble files containing channel frequencies, squelch levels, audio volume, and other settings. With this software, the operator can efficiently download configurations to one or more leakage detectors.

### SPECIFICATIONS

<b>Frequency Range</b>	<b>Low band:</b> 109.25 to 110.5 MHz <b>High band:</b> 118.5 to 147.25 MHz Settable using the Seeker Setup software, in 6.25 KHz steps
<b>Frequency Settings</b>	10 user-set operating frequencies, selectable on front panel Selections loaded into detector using Seeker Setup configuration software
<b>Calibrated Level Range</b>	2 to 2000 $\mu\text{V}/\text{m}$ Can freeze current numeric reading
<b>Numerical Display</b>	Readout of any detected leakage within sensitivity range
<b>Audible Tone</b>	Tone is present if leakage amplitude exceeds squelch setting Pitch is proportional to strength of leak
<b>Automatic Noise and Overbuild Discrimination</b>	Internal circuitry discriminates between leaks and noise Overbuild discrimination requires the CT-2 or CT-3 channel tagger to be installed in the hub or head-end
<b>Data Connection</b>	Serial data connection for setup and leakage record upload
<b>Power</b>	Internal battery with eight hours of operation per charge
<b>Options</b>	Semi-rigid protective holster with belt loop
<b>Supporting Software</b>	Seeker Setup software for configuring the Seeker for leakage detection and Wi-Fi uploading of leakage data records to LAW Server software LAW Server software for uploading and processing leakage data records

### INCLUDES THE FOLLOWING:

Seeker leakage detector  
**P/N 2011073101**

Rubber duck antenna

Battery charger

I/O-20 mini-USB charge/data cable

SMB-2 mobile mount

Mobile mount power cable

User's manual and software drivers on CD

### OPTIONAL ACCESSORIES:

CC-28 padded holster  
**P/N 2131249000**

CL-9 vehicle power adapter  
**P/N 0610169007**

### RELATED ITEMS:

AFS-2 dipole antenna  
**P/N 2010436000**

APM-2 permanent mount, vertical quarter-wave whip antenna (108 to 118 MHz)  
**P/N 2010649000**

APM-3 permanent mount, vertical quarter-wave whip antenna (119 to 160 MHz)  
**P/N 2010650000**

AVM-2 magnetic base, vertical quarter-wave whip antenna (108 to 118 MHz)  
**P/N 2010380000**

AVM-3 magnetic base, vertical quarter-wave whip antenna (119 to 160 MHz)  
**P/N 2010379000**

Seeker pole mounting kit  
**P/N 2071802000**

NFP-1 near field probe  
**P/N 2010477000**

Leakage Analysis Workshop (LAW) integrated server package  
**P/N 2011190200**

Garmin® GPS receiver  
**P/N 2071707000**

Mobile communications adapter (MCA) with hard-wired serial data connection  
**P/N 2011029104**

Mobile communications adapter (MCA) with hard-wired serial data connection and Wi-Fi option  
**P/N 2011029105**

Industrial-grade Wi-Fi access point  
**P/N 2011222000**

CT-2 channel tagger  
**P/N 2010670001**

CT-3 channel tagger  
**P/N 2010762000**