

Seeker GPS

Leakage Management System

- High Performance, GPS-Based Leakage Management System; Ideal for Drive-Outs, Leak Documentation, and Troubleshooting
- Very Cost-Effective, Allowing General Deployment Throughout Entire Fleet, with Complete Mobile Installation While Costing Less Than Some Leakage Detectors
- Maximum Efficiency Achievable Through Totally Automatic Operation; Leakage Record Upload via Internet or Wi-Fi



Trilithic's Seeker GPS™ leakage management system offers high-performance GPS leakage detection and documentation at a price no greater than that of a conventional leakage detector. No investment for special drive-out vehicles is required, and every truck in the operator's fleet can identify leakage outbreaks with GPS precision.

Automatic leak recording

The system is built around Trilithic's powerful Seeker leakage detector. While driving to a location or to work, the technician leaves the Seeker in the mobile mount, where it's connected to vehicle power, an antenna, and a GPS receiver. The system automatically monitors leakage outbreaks and records the data with a time/date stamp and the leak's GPS location. This automatic process helps keep the technician from being distracted while driving or working. The Seeker unit can also be easily removed from its mount for manual leakage detection and recording, if necessary.

Convenient uploading

Using the built-in Wi-Fi adaptor, uploading data records to a server can be fully automated, occurring whenever the vehicle enters the yard or stops at an operator-controlled Wi-Fi hot-spot. The records may also be uploaded via an Internet connection if the technician is based remotely.

Seamless analysis applications

Leakage records can be forwarded seamlessly to various leakage analysis applications to analyze data and further identify probable leak locations.

GPS component options

The operator has several options for providing the GPS receiver/antenna to link with the Seeker GPS system. If there is no existing unit, one can be obtained from Trilithic or purchased from an approved list of vendors. If the vehicle is already equipped with a fleet management system using an approved GPS receiver, in many cases the Seeker GPS system can make use of it.

Powerful, flexible, convenient, and very cost-effective; the Seeker GPS system from Trilithic sets an entirely new standard for GPS leakage management.



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SPECIFICATIONS

Frequency Range	Low band: 109.25 to 110.5 MHz High band: 118.5 to 147.25 MHz Settable using the Seeker Setup™ software, in 6.25 KHz steps
Frequency Settings	10 user-set operating frequencies, selectable on front panel Selections loaded into detector using Seeker Setup configuration software
Calibrated Level Range	2 to 2000 µV/m Can freeze current numeric reading
Numerical Display	Readout of any detected leakage within sensitivity range
Audible Tone	Tone is present if leakage amplitude exceeds squelch setting Pitch is proportional to strength of leak
Leakage Sampling and Recording Rate	1 record per second, continuous
Automatic Noise and Overbuild Discrimination	Internal circuitry discriminates between leaks and noise Overbuild discrimination requires the CT-2™ or CT-3™ channel tagger installed in hub or head-end
Data Connection	USB connection to local PC running upload applet, internet connection from client to server Via Wi-Fi to operator-controlled and configured hot-spot Through the wireless link of some fleet management systems
Power	Internal battery with eight hours of operation per charge
Options	Semi-rigid protective holster with belt loop for use out of the mobile mount
Supporting Software	Seeker Setup software for configuring Seeker GPS 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 GPS leakage detector
P/N 2011073101

Rubber duck antenna
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 PRODUCTS:

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
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
CT-2 Channel Tagger
P/N 2010670001
CT-3 Channel Tagger
P/N 2010762000
Garmin® GPS receiver
P/N 2071707000
Industrial-grade Wi-Fi access point
P/N 2011222000