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.
**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
</table>
| **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 |

**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 2012220000

**INCLUDES THE FOLLOWING:**

- Seeker GPS leakage detector  
  P/N 2011073101
- Rubber duck antenna  
- Mobile mount power cable  
- SMB-2 mobile mount  
- User’s manual and software drivers on CD

092309-REV2