

Seeker GPS with MCA II

Leakage Management System

- High Performance, GPS-Based Leakage Management System; Ideal for Drive-Outs, Leak Documentation, and Troubleshooting
- Very Cost-Effective Deployment Throughout Entire Fleet
- Maximum Efficiency Achievable Through Totally Automatic Operation
- Leakage Record Upload via Cellular, WiFi, Ethernet, or USB
- Seeker Easily Removed from Mobile Mount for Find & Fix
- Real-Time Leakage Detection using EDN



Trilithic's Seeker GPS™ with MCA II leakage management system offers high-performance GPS leakage detection and documentation at a competitive price. 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

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.

Early Detection Notifications

When a set threshold level within the Seeker has been surpassed, Trilithic's Leakage Analysis Workshop™ (LAW) will email an EDN (Early Detection Notification) to insure that large leaks will be identified immediately. This automatic process helps keep the technician from being distracted while driving or working. Detecting and finding locations of EDNs is enhanced by hardware quadrangulation which is only available in the MCA II.

Convenient uploading

Uploading data records to a server can be fully automated, occurring whenever the vehicle enters a base location, via an operator-controlled Wi-Fi hotspot, or directly to the server via cellular interface.

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. If the vehicle is already equipped with a fleet management system using a 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.

Seeker GPS with MCA II

Leakage Management System

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 | 33 times per second |
| 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 |
| Early Detection Notification (EDN) | Email notification of threshold exceeding leaks |
| Data Connection | USB connection to local PC running upload applet, internet connection from client to server 10/100 RJ45 connection to fleet management systems Optional: Wi-Fi (802.11 b/g) to operator-controlled and configured hot-spot Optional: Cellular (CDMA or GPRS) |
| Power | Internal battery with eight hours of operation per charge or vehicle 12 volts |
| Options | Semi-rigid protective holster with belt loop for use out of the mobile mount |
| Supporting Software | Seeker Setup software for configuration LAW for processing leakage data records TechPoint Fleet Management software |

INCLUDES THE FOLLOWING:

Seeker GPS leakage detector
P/N 2011073101

MCAII*

Antenna (Cellular/WiFi) for MCAII

Rubber duck antenna

Mobile mount power cable

SMB-2 mobile mount

User's manual and software drivers on CD

*see next page for MCA II options

OPTIONAL ACCESSORIES:

CC-28 padded holster
P/N 2131249000

CL-9 vehicle power adapter
P/N 0610169007

Seeker Cell antenna (850/1900 MHz)
P/N 2072195000

Seeker Cell antenna (900/1800 MHz)
P/N 2072195001

Seeker WiFi antenna
P/N 2071677001

Seeker MCA II with shielded ethernet cable (10ft)
P/N 2072213010

Seeker MCA II data cable
P/N 2071585029

Seeker GPS with MCA II

Leakage Management System

RELATED PRODUCTS:

MCA II

P/N 2011443000

MCA II with WiFi (802.11b)

P/N 2011443001

MCA II with GPRS Cell

P/N 2011443004

MCA II with GPRS Cell + WiFi

P/N 2011443005

MCA II with CDMA (Sprint)

P/N 2011443002

MCA II with CDMA (Sprint) + WiFi

P/N 2011443003

MCA II with CDMA (Verizon)

P/N 2011443006

MCA II with CDMA (Verizon) + WiFi

P/N 2011443007

MCA II with CDMA (Aeris)

P/N 2011443008

MCA II with CDMA (Aeris) + WiFi

P/N 2011443009

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

CT-2 Channel Tagger

P/N 2010670001

CT-3 Channel Tagger

P/N 2010762000

Garmin® GPS receiver for MCAII

P/N 2071707004

Industrial-grade Wi-Fi access point

P/N 2011222000

SOFTWARE OPTIONS:

Seeker Setup

P/N 0930109002

LAW Server

P/N 2011190200

LAW SaaS Subscription

P/N 9980002000

TechPoint

P/N 9980004001

