Seeker BB-2

Automated Leakage Detection System

- Totally Automatic Operation – No Operator Interaction – for Maximum Efficiency
- Ideal for Drive-Outs, Leak Documentation, and Troubleshooting
- All Vehicle Electronics Housed in Tough Aluminum Enclosure
- Leakage Record Upload via Wi-Fi or Internet to LAW Server
- Very Cost-Effective

Trilithic's Seeker BB-2™ automatic leakage detection system is a fully automated, GPS-based leakage detection system that operates in the background while technicians drive their routes, without any operator interaction. You just install it and forget it.

Housed in a heavy-gauge aluminum enclosure, the Seeker BB-2 can be tucked away into any convenient location in the vehicle – such as under or behind the driver's seat. The system uses a monopole antenna to monitor leaks wherever the vehicle is driven, then stores the data. When the vehicle is parked near a designated Wi-Fi hotspot, the data is automatically uploaded to Trilithic's LAW™ (Leakage Analysis Workshop™) server.

Using the Seeker BB-2, every truck in the operator's fleet contributes useful leakage data, eliminating the need for special drive-out vehicles and personnel. At the end of the workday, the LAW server software analyzes and processes the data from the entire fleet, using a sophisticated algorithm to calculate the location of each leak to within feet of its source.

Completely automatic, hands-free leak recording

While the technician is driving to a service location or to the office at the start his shift, the Seeker BB-2 automatically monitors leakage strength every second that the vehicle is in motion, labeling each measurement with a time and date stamp, and the leak's GPS location. The driver doesn't need to adjust the unit for different distances from a distribution line, or interact with The Seeker BB-2 in any way. Distance corrections are all handled automatically when the data is processed, rather than by distracting the technician while driving or at work.

Convenient uploading

Normally, the measurement data for a day (or a week) is uploaded to the LAW server using the Seeker BB-2's built-in Wi-Fi adapter. The upload process occurs automatically whenever the unit detects the availability of a designated hot spot (typically the vehicle's parking lot). Records may also be downloaded to an ordinary USB memory stick, and then uploaded to the LAW server through any USB-equipped PC with an internet connection.

Seamless analysis applications

The LAW server processes all of the collected leakage records – typically every day – analyzing the thousands of measurements that were taken "in the street" to determine the true location of each leak source. It then corrects the measured strength of each leak for distance and generates the alerts, reports, and leakage logs that the operator needs to manage the leakage control program. LAW even prioritizes leakage outbreaks to simplify the process.

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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
Level Range	2 to 2000 µV/m
Channel Tag Range	10 Hz to 23 Hz (excluding 16 Hz)
Dimensions (H x W x D)	11” x 8” x 2.15” (280mm x 203mm x 55mm)
Weight	3.10 lbs (1.4 Kg)
Supporting Software	Seeker Setup software for configuring Seeker BB-2 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 BB-2 leakage detector
P/N 2011221001

Remote Wi-Fi antenna with 12’ coaxial cable and magnetic mount

DC power cable

(2) USB flash drives

User’s manual and device drivers on CD

Printed installation guide and installation checklist

Mounting hardware

RELATED PRODUCTS:

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

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
P/N 2071707000

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