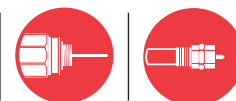


SEARCHER PLUS GT



Leakage Measurement Receiver



High Resistance to
“False Alarms” from
Noise and Overbuilt
Systems

No Tagging Signal
Required

Calibrated Scale and
Audio Alarm

Compatible with
Searcher Plus Mobile
Mount and Accessories

Trilithic's Searcher Plus GT™ is the first leakage measurement receiver built specifically for systems employing digital set top terminals that cannot tolerate “tagged” leakage carriers. Innovative circuitry in the Searcher Plus GT analyzes detected RF energy and automatically rejects all noise and any signals that are not caused by leaks from your system.

Resists Noise, No Interference to Digital Set Top Terminals

Interference from electrical noise or overbuilt systems can make it difficult to find and measure leakage. “Channel tagging,” or adding a special identifying modulation to the carrier used for leakage detection, is commonly used to increase resistance to interference.

However, some digital and descrambling set top terminals cannot tolerate tagged signals. In this situation, the Searcher Plus GT is the ideal alternative. The Searcher Plus GT provides enhanced “false alarm” resistance and many of the features of the Trilithic Super Plus™ without the use of a tagged leakage test signal.

Versatility

Like Trilithic's popular Searcher Plus™, the Searcher Plus GT provides calibrated readings in micro Volts/meter ($\mu\text{V}/\text{m}$) for CLI measurements. It is equipped with an audio tone whose pitch varies with the strength of the detected leak.

The Searcher Plus GT fits the standard Searcher Plus mobile mount, which connects the Searcher Plus GT to a vehicle antenna and supplies power for operating the unit and charging its batteries.

For safety, the Searcher Plus GT includes a peak hold function that retains the peak reading until it is convenient for the operator to observe the display. Together, these features allow the Searcher Plus GT to be used in the full range of leakage management functions in virtually any environment.

SEARCHER PLUS GT Specifications



Frequency Range:	Single frequency between 108 to 157.25 MHz
Selectivity:	Typical 6 KHz at -3db
Input Sensitivity:	2 uV/m in x 1 mode; 20 uV/m in x 10 mode
Meas Accuracy:	+/-1.5 dB @ 25° C (77° F) +/-3.0 dB @ -18° C to 49° C (0° to 120° F)
Alarm Indication:	Audio tone with pitch proportional to meter deflection
Meter Functions:	2–2000 uV/m, normal amplitude tracking. When detector is set to HOLD mode, the peak reading is held 5 seconds before auto-reset.
Power:	Rechargeable NiMH battery, internal charger operates from 13.8 VDC vehicle power.
Weight:	1lb. (0.45kg) without mobile mount
Dimensions:	1.75" x 3.25" x 6.0" (H x W x D) (44mm x 83mm x 152mm)

INCLUDES THE FOLLOWING:

Calibrated Leak Detector
(customer specified frequency)

Mobile Mount (SMB-1)
with Vehicle Power Adaptor

Flexible Rubber Antenna

Passive 50 Ohm Near
Field Probe (NFP-1)

Users Manual

OPTIONAL ACCESSORIES:

AFS-2
Calibrated halfwave
dipole antenna
50 Ohm
Single frequency
108-160 MHz
P/N 2010436000

APM-2
Permanent mount,
vertical quarter wave
whip antenna
Single frequency
108-118 MHz
P/N 2010649000

APM-3
Permanent mount,
vertical quarter wave
whip antenna
Single frequency
119-160 MHz
P/N 2010650000

AVM-2
Magnetic base,
vertical quarter wave
whip antenna
Single frequency
108-118 MHz
P/N 2010380000

AVM-3
Permanent mount,
vertical quarter wave
whip antenna
Single frequency
119-160 MHz
P/N 2010379000