



# Searcher Plus Family Leakage Detectors

## Specifications

| SUPER PLUS   | SEARCHER PLUS GT   |
|--|--|
| <b>Frequency (MHz):</b><br>121.2625 - P/N 2011235121<br>127.2625 - P/N 2011235127<br>133.2625 - P/N 2011235133<br>139.2500 - P/N 2011235139<br>Custom - P/N 2011235099                     | <b>Frequency (MHz):</b><br>121.2625 - P/N 2011233121<br>127.2625 - P/N 2011233127<br>133.2625 - P/N 2011233133<br>139.2500 - P/N 2011233139<br>Custom - P/N 2011233099                 |
| <b>Selectivity:</b> Typical 6 KHz at -3 dB   | <b>Selectivity:</b> Typical 6 KHz at -3 dB   |
| <b>Input Sensitivity:</b> <0.5 $\mu\text{V}/\text{m}$ in SUPER mode, used with CT-2 or CT-3 channel tagger<br>2 $\mu\text{V}/\text{m}$ in x1 mode<br>20 $\mu\text{V}/\text{m}$ in x10 mode | <b>Input Sensitivity:</b> 2 $\mu\text{V}/\text{m}$ in x1 mode<br>20 $\mu\text{V}/\text{m}$ in x10 mode   |
| <b>Measurement Accuracy:</b><br>$\pm 1.5$ dB @ 25° C (77° F)<br>$\pm 3.0$ dB @ -18° to +49° C (0° to 120° F)   | <b>Measurement Accuracy:</b><br>$\pm 1.5$ dB @ 25° C (77° F)<br>$\pm 3.0$ dB @ -18° to +49° C (0° to 120° F)   |
| <b>Alarm Indication:</b> Audio tone with pitch proportional to meter deflection.   | <b>Alarm Indication:</b> Audio tone with pitch proportional to meter deflection.   |
| <b>Meter Functions:</b> 2 to 2,000 $\mu\text{V}/\text{m}$ , normal amplitude tracking.<br>When detector is set to HOLD mode, the peak reading is held for 5 seconds before auto-reset.     | <b>Meter Functions:</b> 2 to 2,000 $\mu\text{V}/\text{m}$ , normal amplitude tracking.<br>When detector is set to HOLD mode, the peak reading is held for 5 seconds before auto-reset. |
| <b>Power:</b> Rechargeable NiMH battery; internal charger operates on 13.8 VDC vehicle power.  | <b>Power:</b> Rechargeable NiMH battery; internal charger operates on 13.8 VDC vehicle power.  |
| <b>Weight:</b> 1.00 lb (454 g)   | <b>Weight:</b> 1.00 lb (454 g)   |
| <b>Dimensions (H x W x D):</b><br>1.75" x 3.25" x 6.0"<br>(44mm x 83mm x 152mm)  | <b>Dimensions (H x W x D):</b><br>1.75" x 3.25" x 6.0"<br>(44mm x 83mm x 152mm)  |

### INCLUDES THE FOLLOWING:

Calibrated leakage detector  
 Nickel-metal hydride battery  
 NFP-1 passive 50  $\Omega$  near-field probe (Super Plus Only)  
 Rubber duck antenna  
 Battery charger  
 User's manual

### FACTORY-SET CUSTOM FREQUENCIES:

Super Plus with custom frequency  
**P/N 2011235099**  
 Searcher Plus GT with custom frequency  
**P/N 2011233099**

### RELATED PRODUCTS:

AFS-2 dipole antenna  
**P/N 2010436000**  
 APM-2 permanent mount vehicle antenna  
**P/N 2010649000**  
 APM-3 permanent mount vehicle antenna  
**P/N 2010650000**  
 AVM-2 magnetic mount vehicle antenna  
**P/N 2010380000**  
 AVM-3 magnetic mount vehicle antenna  
**P/N 2010379000**  
 SMB-1 Searcher Plus family mobile mount kit  
**P/N 2070411001**

### RELATED EQUIPMENT:

When several cable systems operate in the same area, it is often difficult to determine which system is the source of a detected leak. Trilithic's Channel Tag inserters solve this problem by imposing a low frequency amplitude modulation onto the system video carrier used for leakage testing. The modulation is undetectable by TV receivers and non-baseband converters, but is detectable by the Super Plus.

CT-2 modulates one of the standard video carriers in the system's midband channel lineup.

CT-3 generates a tagged carrier at a customer-specified frequency. The CT-3 is to be used when a suitable video channel is not available.

Either CT model occupies 1U (1.75") of rack space.