

## Acterna CLI-950 Leakage Meter

### Product Data Sheet

#### Highlights

- *Frequency Agile Leakage Detection and Measurement*
- *High Sensitivity with Leakage Tagging (Wide Meter Range)*
- *Headend Video "Tagging" Option Differentiates Leaks in Overbuilt Systems, Increases Detection Range, and Limits False Alarms*
- *Vehicle Docking Station Option for Quick Vehicle Antenna and Charging Connections*
- *Icon Based User Interface for Ease of Operation in all Languages*
- *Easy to Read High Resolution LCD*
- *Durable, Hand-Held, Light-Weight and Water Resistant*



The CLI-950 is a hand-held leak detection meter with the sensitivity and accuracy required to find and measure cable leaks. Its high resolution graphic LCD provides a simple user interface to make it ideal for every technician, from the novice to the expert.

With the growing implementation of digital carrier transmission, guarding against ingress becomes more important. Most cable systems are implementing processes that require the installer to certify the installation by checking for leaks at the end of the install. This will insure that there are no leaks, and this correlates to no ingress. The CLI-950 can also be used by dedicated leakage crews, and with leakage GPS tracking systems.

The operator tunes the CLI-950 to a video carrier in the 115 to 140 MHz frequency range. The alarm can be configured to trip when it detects the presence of an RF signal at the tuned frequency, and/or the presence of the optional tagging signal. The CLI-950 monitors/measures video carriers, and as such, it is not necessary to inject an additional RF signal in precious spectrum to make accurate leakage measurements.

#### Model LT1000 Leakage Tagger

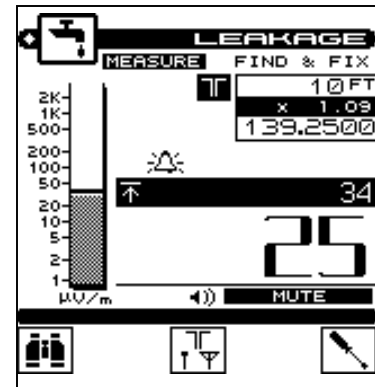
The optional LT1000 Leakage Tagger modulates the video signal at user-programmable rates between 3 and 20 Hz to make certain that the detected leak is emanating from the network under test in overbuild situations. The distinctive tag signal improves detection sensitivity in noisy environments and curbs false alarms.

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### Easy To Read Graphic Display

The leakage display provides a wealth of information. A double bar graph simultaneously displays two ranges to make it easy to measure both low and high level leaks without constant switching from one scale to another. The actual leak level is read out in  $\mu\text{V}/\text{m}$ , or another user-selected measurement unit. The CLI-950 reads  $\mu\text{V}/\text{meter}$  at a distance of three meters, and converts longer (user-entered) distances to equivalent three meter readings for hard to access easement situations. A peak hold function holds the highest measured level as the dipole antenna is rotated in the measurement process. The peak is shown as a solid line on the bar graph, and the actual peak level is displayed numerically. There is a visual alarm indicator, an indication of presence of video modulation, and if a leakage tagger is used, its detection is also indicated on the screen.



### Docking Station Option DS-1

The CLI-950 Docking Station simplifies connection to the vehicle antenna and power source, and the adjustable arm option makes it easy to view the graphic LCD from the driver's seat. When the CLI-950 is mated with the docking station, it automatically switches to the vehicle antenna and makes connection to the vehicle 12 VDC source. The batteries will charge while it rests in the docking station.

### Specifications

#### Level Measurement

Input Sensitivity: Measurement: From 1.4  $\mu\text{V}$

Accuracy:  $\pm 1.5$  dB @ 25°C

#### Tuning

Tunes to video carrier frequencies in the 115 to 140 MHz range

Accuracy: 20 ppm

Resolution: 25 kHz steps

#### General

Dimensions: 4.25" wide; 10.5" tall; 3" deep

Weight: 1.36 kg (3.0 lb.)

Operating Temp. Range: -10 to +50°C (14 to 122°F);  $\pm 3.0$  dB drift.

Water Resistance: Meets or exceeds MIL-STD-810D (Method 506.2)

#### Powering

Extended Life Battery: 5.3 hours continuous (backlight off)

Charge Time: 16 hour max. charge with unit "off," depending on initial charge state.



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### Standard Accessories

HD-1 Dipole Antenna; Battery Cartridge; AC/DC Charger/Adapter; Operating Manual.

### Options

LT 1000 Leakage Tagger Option: Differentiates leaks in overbuilt systems, increases detection range, and limits false alarms.

DS-1: Vehicle mount "Docking Station" for quick antenna and auxiliary power connection in vehicle

VMA-3: Magnetic vehicle mount  $1/4\lambda$  whip antenna

LD-3: Dipole antenna with telescoping fiberglass extension pole, fully extendible to the FCC measurement distance of 10 ft.

Carrying Case: Durable carrying case

1019-00-0479: Spare battery cartridge for Models CLI-950 and CLI-1450

1019-00-0533: Charger/Adapter universal input, 12VDC output for charging and operating Models CLI-950 and CLI-1450

1019-00-0554: European Charger/Adapter (CE Compliant)

4010-00-0119: Charger/Adapter universal input, 12 VDC for charging and operating Models CLI-950 and CLI-1450

MBC-6: Multiple 6-bay battery cartridge charger

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### Contact Information

Acterna Cable Networks Division

[www.acterna.com](http://www.acterna.com)

Contact your local sales representative for more information.

