

Handheld Inductive Loop Test Kit



Model HILT 9000

The HILT 9000 is an easy to use, quick and accurate tool designed to test and measure the parameters of inductive loops used in the Traffic Signal, Vehicle Data Collection, and Parking industries.

The tester is housed in an impact resistant case with one set of 6 foot test leads and adapters. An 8 button user interface provides an easy test set up without the layers of frustrating, hidden menus. A 16 character by 2 line LCD offers a clear view of measurement status. To conserve battery life, the unit automatically turns the power off when not used for more than 30 seconds.

All ATSI test equipment ships with a standard 12 month warranty and Free Life-Time Telephone Technical Support.

The Complete Loop Test Kit is carried in a sturdy, injection-molded plastic carrying case designed to hold not only the HILT and its accessories, but also the Loop Finder and Megohmmeter for a complete loop analysis kit

Kit Features

HILT 9000

- View Real Time Inductance Change
- Automatic Power Shutoff
- Quick and Accurate Measurement of Inductive Loop Parameters:
 - Inductance: 20 μ H to 2400 μ H
 - Frequency: 20KHz to 80KHz
 - Resistance: 0 Ω to 1000 Ω
 - Quality (Q) of Loop
- Measure newly installed loops without power or a detector

1026 - Megohmmeter

- Insulation measurements at 3 different voltage levels: 250V, 500V, & 1000V.
- Measure insulation resistance up to 4000 Megohms.

LF22 - Loop Finder

- Quickly find loops that have been paved over
- "See" the electro-magnetic field emitted by standard inductive loop wires and displays the relative strength

Importance of an Accurate Q

The HILT measures the actual Q as it is based on a phase shift between voltage and current in the inductor (loop), as required by the definition of Q.

Why is this important? This means you are receiving an accurate measurement based on the actual test conditions...not on "ideal conditions" that produce a high Q measurement that similar products may utilize.

The Q (Quality) of your loop effects whether a detector is properly "seeing" a vehicle. The HILT's measurement of a loop's Quality provides you more accurate information to help you successfully troubleshoot a questionable detection system.



The HILT Carrying Case protects the HILT 9000 as well as the LF 22 Loop Finder, Megohmmeter, and their accessories



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