



Handheld Inductive Loop Test Kit

The *Handheld Inductive Loop Test Kit* includes all the tools necessary to locate, test, and measure the parameters of inductive loops used in the Traffic Signal, Vehicle Data Collection, and Parking Industries.

HILT-9300 Inductive Loop Tester

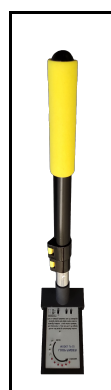


- Measure L, Q and Rdc of the loop
- Measure inductance change (ΔL)
- Measure loop operating parameters
- Measure insulation resistance (M Ω)

LF-22 Loop Finder



- Locate loops that have been paved over
- Identify loops that emit a weak field
- Visual indication of field strength
- Adjustable telescopic pole for ease of use



The Loop Test Kit is carried in a sturdy, injection-molded plastic carrying case designed to hold the HILT-9300 Inductive Loop Tester, the LF-22 Loop Finder, the adjustable telescopic pole, and all necessary probes.



Handheld Inductive Loop Test Kit

HILT-9300

General Specifications	
Battery	1x 9V Alkaline (extra slot for spare battery)
Display	2x20 Character COG LCD FSTN+ Display with White Backlight
Loop Test	
Measurement Type	Range & Accuracy
Inductance (L)	Range: 20 – 2400 [μH] L < 100μH: Accuracy = ±(3% of reading + 0.1μH) L ≥ 100μH: Accuracy = ±(3% of reading + 1μH)
Quality Factor (Q)	Range: 0 – 15 [unitless] Q ≤ 15: Accuracy = ±(20% of reading + 0.1) Q > 15: Q guaranteed to be > 12
DC Resistance (R _{DC})	Range: 0 – 999 [Ω] R _{DC} < 3Ω: Accuracy = ±(3% of reading + 0.3Ω) R _{DC} < 100Ω: Accuracy = ±(3% of reading + 0.1Ω) R _{DC} ≥ 100Ω: Accuracy = ±(3% of reading + 1Ω)
Detector Test	
Measurement Type	Range & Accuracy
Peak-to-Peak Voltage	Range: 5 – 40 [V _{pp}] Absolute Max Input Voltage: 20V Accuracy = ±(10% of reading + 0.1V)
Frequency	Range: 20 – 80 [kHz] Accuracy = ±(1% of reading + 0.1kHz)
MΩ Test	
Measurement Type	Range & Accuracy
Megohmmeter High Voltage DC Resistance (MΩ)	Regulated Megohmmeter Output: 500V Max Megohmmeter Output: 600V Range: 5 – 500 [MΩ] < 100MΩ: Accuracy = ±(5% of reading + 0.1MΩ) ≥ 100MΩ: Accuracy = ±(5% of reading + 1MΩ)

LF-22

General Specifications	
Battery	1x 9V Alkaline
Display	Sequence of LEDs indicating loop field strength
Operation	
Measurement Type	Range & Accuracy
Magnetic Field Strength	Using adjustable telescopic pole, hold the LF-22 6-8 inches from the pavement while scanning the pavement

For more information contact sales@atsi-tester.com or 740-592-2874 ext 1210.
Athens Technical Specialists, Inc., www.atsi-tester.com