Technical Data

Fluke-TIC122 Non-Contact High Voltage Detector



The Fluke-TIC122 high voltage detector is a non contact voltage detector designed to identify the presence of alternating current AC on transmission lines, power distribution equipment, downed power lines, fuses, electrical outlets, and other energized conductors. It detects voltage in low, medium, and high voltage applications from 30 V AC to 122 kV AC, with bright visual and loud audible alerts.

Built for demanding environments, the Fluke-TIC122 provides reliable performance for utility, industrial, heavy manufacturing, and mining applications. The detector is designed to withstand the rough handling typical of utility field use.

The presence of AC voltage is indicated through a bright LED light and an audible beeper. The tester also features a built in self test to verify proper operation and is drop tested up to 6 feet for durability in the field.



Utility tool
For checking transmission lines, power distribution equipment, down power lines, fuses, and load break connectors.

Lower voltage setting
For checking voltage presence in breaker panels, breakers, power outlets and wiring.

High-voltage setting 1000 V ac to 122,000V AC
(with TIC 410A Hot Stick) For utility applications such as transmissions lines, power distribution equipment, down power lines, transformers and more.

Non-contact AC voltage detection

Visual and audible voltage indication

Self-test feature
For verifying that the tester is working properly so there is no need to connect directly to a current carrying conductor – saving your time and keeping you safe.

Ergonomic design
With a convenient handle.

Drop proof up to 6 ft (1.83 m)

Product anatomy



General Specifications

Specification	Fluke-TIC122
Operating Voltage	LOW Range: 30 V AC to 1000 V AC HIGH Range: 1000 V AC to 122 kV AC *Use only with optional accessory hot stick and proper safety equipment when voltage exceeds 1000 V
Operating Temperature	-25°C to +55°C (-13°F to +131°F); RH 20% to 96%
Storage Temperature	-25°C to +55°C (-13°F to +131°F); RH 20% to 96%
Environment	<3000m, outdoor operation
Power	6 x AAA alkaline battery
Power Consumption	OFF: 340uA Low / High Detection mode: 39 mA
Duty Cycle	Continuous
Response Time	Instantaneous
Dimensions	350(L) x 75(W) x 50(H)mm (14.2 x 3.0 x 2 in)
Weight	350g (0.8 lb.)
Supplied with	Battery and carrying case
Range	
Non-Contact Voltage Detection	30 - 1000 VAC, 1000 - 122 kVAC (with Fluke 410A Hot Stick)
Typical	Sensitivity







Model	TIC122	410A Hot Stick
Model number	6072817	6155440
Description	Fluke-TIC122 Non-Contact High Voltage Detector, Carrying Case	Fluke 410A Hot Stick

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