Multifunctional cable tester

NV-300CT

DIMENSIONS

- Locating and tracing wires in wall installations, cable harnesses and switch cabinets
- Measuring cable lengths and locating faults
- Test of wire continuity and correctness of connections in RJ45 cables
- UTP network cable test - checking sequence, bandwidth, cable type and shielding
- Identification of network ports by flashing LED (Port Flashing)
- PoE power detection and measurement, including IEEE 802.3BT/AT/AF standards
- Signal power measurement in fiber optic networks (transmission quality diagnostics)
- Safe detection of AC voltage without contact thanks to NCV/SNCV function
- Compact, portable design with easy-to-read display and rechargeable battery for field use

Device Type	Multifunctional cable tester
Display	3.0-inch monochrome display
Battery	Emitter: 3.7V 2000mAh lithium-ion rechargeable battery • Probe: 3.7V 2000mAh lithium-ion rechargeable battery
Charging	USB type C 5VDC/1A
Dimensions	Emitter: 142 x 64 x 30 (mm) • Probe: 218 x 48 x 32 (mm)
Operating temperature	from -10°C to +50°C
Humidity	from 30% to 90%

FUNCTIONS

Cable Tracing	Allows identification and tracing of wires in bundles, wall installations and switch cabinets. • Cable types: twisted pair, telephone cable, BNC video cable, low-voltage metal cables
Measurement of cable length	Enables cable length measurement based on signal analysis, useful for determining cable length and locating damage. • Range: from 1 to 600 meters • Accuracy: ±(3% of measured length + 1 m)
UTP Test	Tests all the wires in the network cable. It recognizes connection sequence, bandwidth (100/1000 Mbit/s), cable type (straight, crossover), presence of shielding and short circuits between conductors.
Continuity Test	It performs a cable continuity test, confirming the correct connection of each wire along the entire length of the cable and the correctness of RJ45 plugs. • Minimum recognition length: Emitter: 10cm, Probe: 100cm
Port Flashing	Allows to identify a network port on a switch or router by triggering the flashing of the LED of the corresponding port.
PoE Test	It allows detecting the presence of PoE power, identifying active PoE standards and measuring the power delivered by the network port. • Supported standards: IEEE802.3BT/AT/AF • Power range: 0-90W
Optical power measurement	It is used to measure optical signal power in fiber optic networks, enabling diagnostics and transmission quality assessment. • Wavelength: 850, 980, 1270, 1300, 1310, 1490, 1550, 1557, 1625, 1650 (nm) • Power range: from -70 to +6 (dBm) • Interface 2.5mm compatible with connectors SC, FC, ST
NCV/SNCV	Detects an electromagnetic field, allowing to check whether a wire or socket is energized with AC voltage without direct contact.