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<https://www.avionteq.com/ECA-Group-TC50-eTOOL-Portable-All-in-one-Troubleshooting-Tool.aspx>

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TC50-ETool

ALL-IN-ONE TROUBLESHOOTING
PORTABLE TOOL

- WIRE FAULT LOCALIZATION
- PHASE ORDER CHECK
- WIRE CONTINUITY / INSULATION TESTS
- VOLTAGE / CURRENT MEASURE
- DIODE TESTING
- THERMAL IMAGING
- ALL AVIONICS ADAPTERS INCLUDED
- SMARTPHONE INCLUDED
- BATTERY POWERED



IN PARTNERSHIP WITH



PRODUCTS

www.ecagroup.com



TC50-ETool

ALL-IN-ONE TROUBLESHOOTING PORTABLE TOOL

ERGONOMIC TOOL



Web User Interface

Simple web user interface accessible through any device

- One tool for all generic TSM electrical tasks
- User friendly interface
- Use any device or included rugged SmartPhone to access user interface.
- Socket highlight on function selection
- All wiring and adapters embedded within the tool

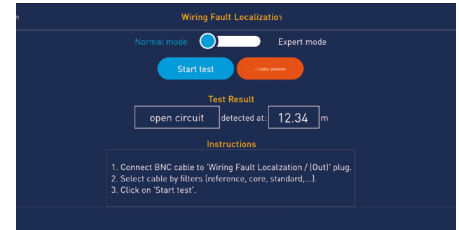
TOOL CHARACTERISTICS

- Waterproof : IP65
- Operating : -20°C / +40°C
- Weight : 5Kg
- Autonomy : 5h
- Dimensions : 305 x 270 x 194mm
- Included accessories
 - Current clamp
 - Wire adapters kit
 - Rugged smartphone
 - Worldwide charger

OPERATIONAL PERFORMANCES

- Voltage Measure
 - 0 to 260Vac / 400Vdc
 - 50Hz to 3kHz
 - 5% precision
- Current Measure
 - 0 to 30A (AC/DC)
 - 5% precision
- Resistor Measure Low Current
 - 10Ω to 200kΩ, 1% precision
 - 200kΩ to 2MΩ, 5% precision
- Resistor Measure High current
 - 1A measure current
 - 20mΩ to 10Ω, 1% precision
- Phase order check
 - 15Vac/230Vac
 - 50Hz to 3kHz
- Insulation test
 - 0,5MΩ to 200MΩ
 - Test voltage: 250Vdc / 500Vdc
 - 5% precision
- Diode testing
- Wire Fault Localization
 - Wire length from 1m to 100m
 - Up to 10cm precision
- Thermal imaging for abnormal heating analysis
 - From -20 to 120°C
 - FLIR™ technology with MSX function (real and thermal picture superposition)

WIRE FAULT LOCALIZATION



Powered by Nicomatic
SmartCo Solutions

Using the best in class technology: OMTDR (Orthogonal Multi-tone Time Domain Reflectometry) for:

- Detection and localization of Hard faults - Open Circuits and Short Circuits
- Measurement of Impedance variations
- High precision fault localization up to 0.1%

Suitable for aeronautic applications:

- Validated on most used aeronautic cable types
- Integrated and upgradable cable database
- Plug & Test on a wire network with no risk of cable alteration.



www.ecagroup.com

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