

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



ISO9001/EN9100/AS9100/JISQ9100

in partnership with



exail

TC50-eTOOL

ALL-IN-ONE TROUBLESHOOTING PORTABLE TOOL

Ergonomic Tool

- 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: 5 Kg
- Autonomy: 5 h
- Dimensions: 305 x 270 x 194 mm

Included accessories

- Current clamp
- Wire adapters kit
- Rugged smartphone
- Worldwide charger

WIRE FAULT LOCALIZATION

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

OPERATIONAL PERFORMANCES

- Voltage Measure
 - 0 to 260 Vac / 400 Vdc
 - 50 Hz to 3 kHz
 - 5% precision
- Current Measure
 - 0 to 30 A (AC/DC)
 - 5% precision
- Resistor Measure Low Current
 - 10 Ω to 200 k Ω , 1% precision
 - 200 k Ω to 2 M Ω , 5% precision
- Resistor Measure High current
 - 1 A measure current
 - 20 m Ω to 10 Ω , 1% precision
- Phase order check
 - 15 Vac/230 Vac
 - 50 Hz to 3 kHz
- Insulation test
 - 0,5 M Ω to 200 M Ω
 - Test voltage: 250 Vdc / 500 Vdc
 - 5% precision
- Diode testing
- Wire Fault Localization
 - Wire length from 1 m to 100 m
 - Up to 10 cm 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

Ergonomic Tool



Web User Interface
Simple web user interface accessible through any device



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