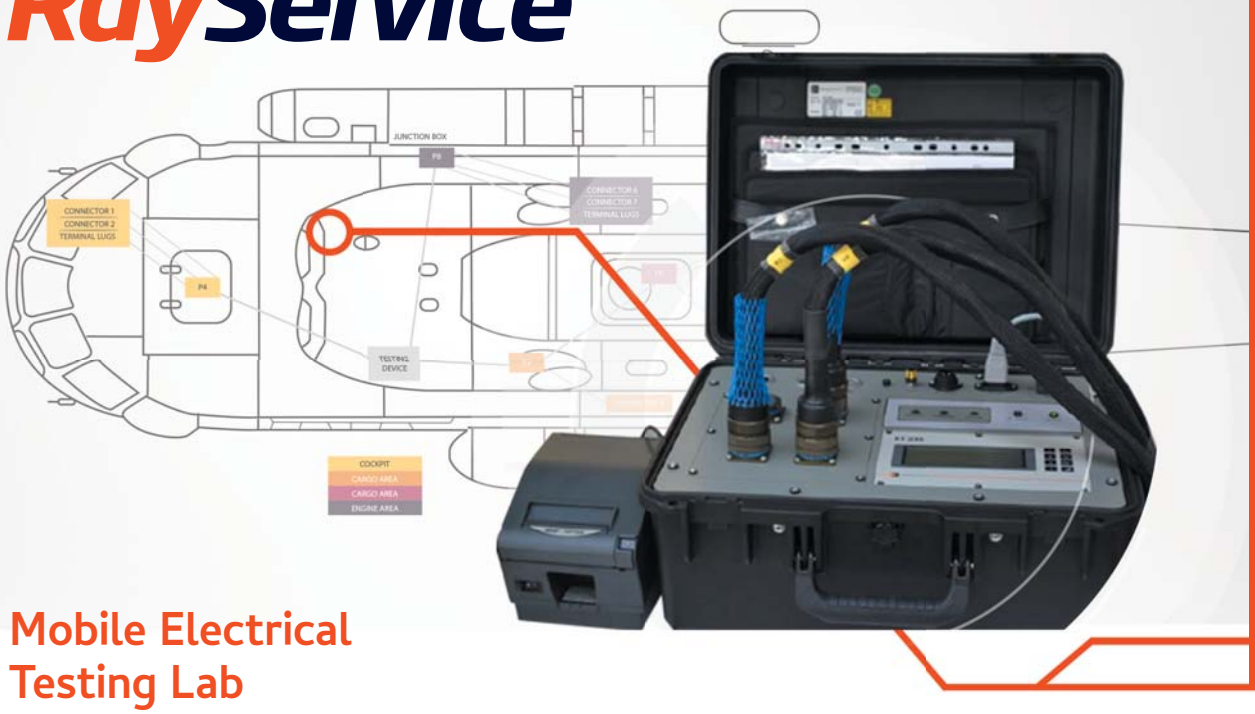
RayService

MOBILE ELECTRICAL TESTING LAB



Mobile Electrical Testing Lab

For quick and unambiguous **identification** and **localization** of wiring faults, or **assessment** of its conditions without a necessity of difficult and time-consuming cable / subsystems dismantling.

- Enables rapid establishment of testing workplace directly inside the helicopter, aircraft or land vehicle
- Designed for frequent relocation and work in conditions of assembly halls, hangars, etc. Built-in a rugged carrying case (resistance against water, dust and transport shocks)
- No connection with PC needed during testing

Applicability

By assigning mobile electrical testing lab to the repair, maintenance or production process, each user gains the following options:

Fast identification of a failure in case of function loss of the object (vehicle, aircraft, helicopter) or its part

- Accurate localization of wiring error
- Elimination of wiring error
- Detection of the malfunction of the connected subsystem

Easy control check of the cable functionality during the technical life of the object without a necessity to dismantle it

- Preventive inspections
- Control check when reaching the time for periodic inspection or overhaul

Quality control for Repair and Overhaul projects

- Incoming Quality Inspections of outsourced cable harnesses
- Inspection check of installed cable harnesses within an object to reveal its damage during an installation process
- Reducing the risk of potential damage to hardware or loss of data by cabling error during the proces of object reviving

Tester with a customized set of testing cables

Junction boxes

— Interface between tester and measuring cables
— Divide the 128-pin tester input into multiple connectors

Benefits:

— Universal applicability
— Length of measuring cables is minimized
— Easier installation, storing and reduced price

The tester allows you to perform the following tests

— Continuity test
— Short circuit test
— High voltage insulation test
— Testing of components (R, C, D, ZD, LED,...)

Other features

— Manual programming or self-learning mode
— Could generate wiring list of cable harness without any documentation (great tool for reverse engineering)

Technical specification

Power supply	230 VAC
Test parameters	Low voltage up to 12 VDC High voltage up to 1000 VDC Max. current testing 400 mA Insulation resistance up to 1000 MΩ
Number of test points	512
Interface of test points	4 × 128-pin MIL connector
External interface	USB for external memory (testing programs) USB for connection to a printer Contact probe connection
Another features	EPSON TM-T88IV Thermal Printer for printing of testing report Measurement of ambient temperature and humidity

Each tester can be equipped with junction boxes

Measuring cable harnesses and insulated crocodile clips for testing

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