



ERTMS LAB TOOLS

PRODUCTION TESTER

Multitel
Railway Certification



The Railway Certification department of Multitel is specialized in ERTMS testing solutions. It gives support to the certification, provides performance and reliability test solutions to railway industry and offers maintenance solutions, train/track validation and validation support of ERTMS deployment to railway infrastructure managers.

Multitel is ISO 17025 (BELAC 427 TEST) accredited for EVC tests (UNISIG SUBSET-026, SUBSET-076 and SUBSET-094) and Eurobalise/BTM test (UNISIG SUBSET-036 and SUBSET-085).

■ [ERTMS / ECTS Production Tester](#)

The Production Tester is able to perform the most important tests from the SUBSET-085: Balise Input to Output characteristics, centre frequency, frequency deviation, mean data rate, decoding telegram, amplitude jitter, maximum interval error and more...

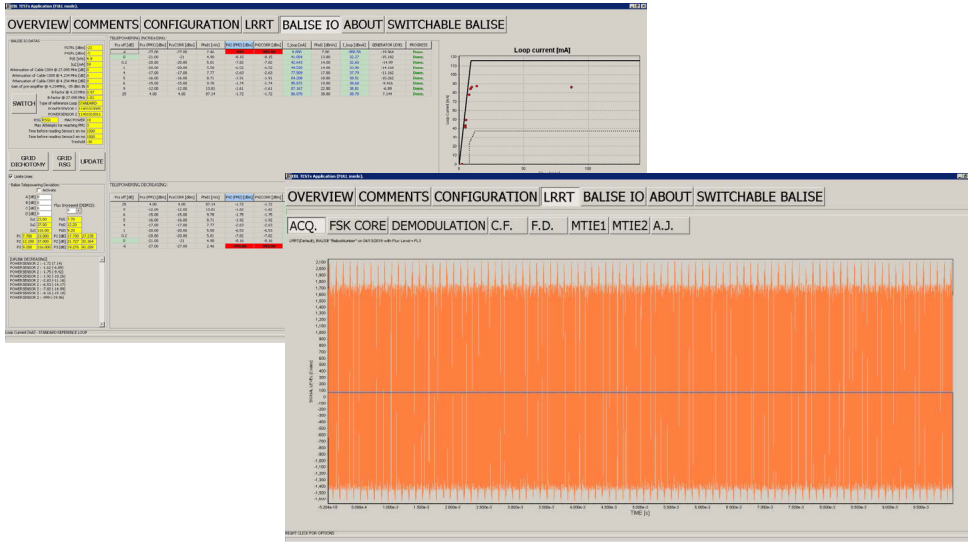
■ [Description and functionalities](#)

The Production Tester is composed by a measurement Cabinet of a 24 U -19 inches rack cabinet with rackable equipments and a balise holder with test antennas.

Those equipments provide low power signals and measurement tools for the Eurobalise Production Test Bench. A workstation collects and treats the measured data via dedicated softwares developed by Multitel.

Software Functionalities

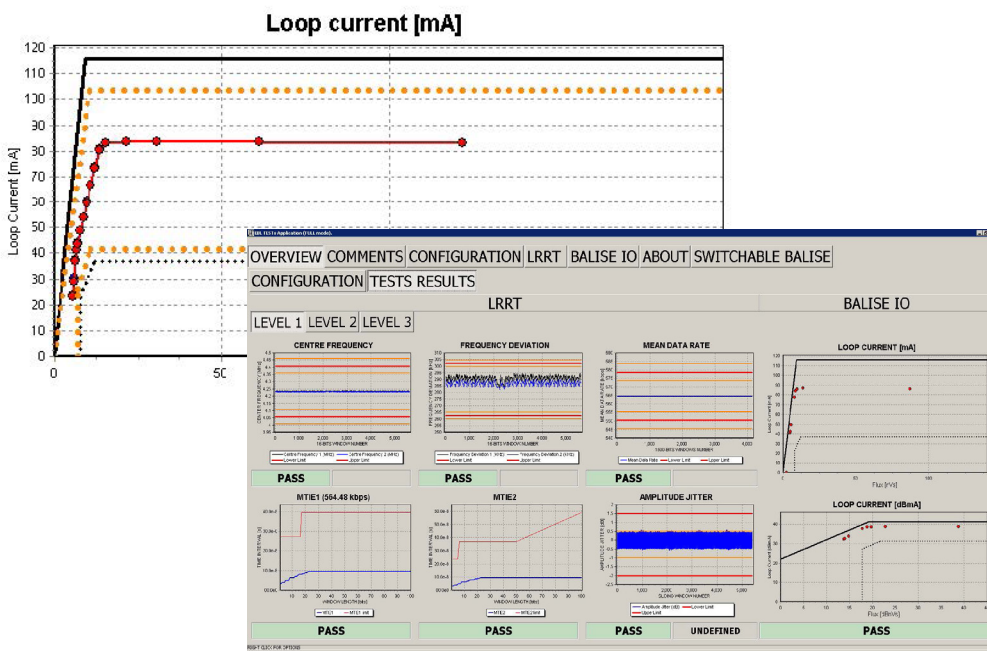
- Performs automatically telepowering calibration
- Analyses the uplink signal of the Balise
- Visualises multiple measurements simultaneously
- Stores all the acquisitions



The EUROBALISE PRODUCTION TESTER software system is used to control the hardware equipments and to define the measurements parameters .

General Characteristics

- Operational temperature : 0-55°C
- Power Input : 100-240V AC
- Dimensions : 1226 x 600 x600 mm
- Power consumption : Max 1600W



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