

TCI

Remote condition monitoring and predictive maintenance of track circuit

Features

TCl allows several kinds of physical checking:

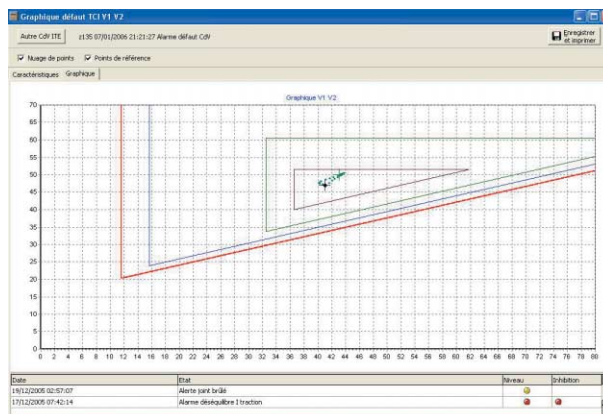
- V1 and V2 receiver voltage
- Pulse signal

TCl allows several kinds of detection:

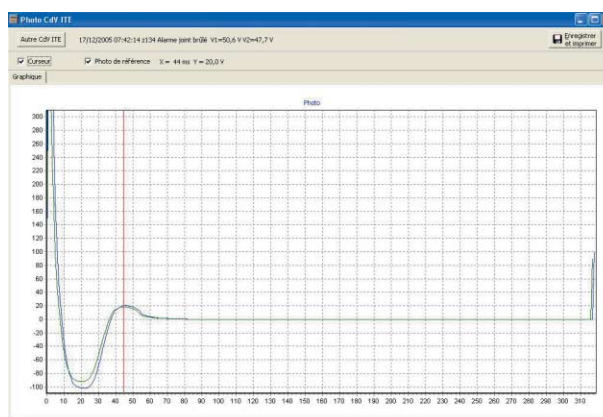
- Closes burned
- Track circuit in default
- Current imbalance in traction return

Technical characteristics

- V1 and V2 measurement
- Communication Mode (Gateway-UCC32) able to drive up to 32 track circuit
- Gateway-UCC32 connectable on Ethernet, G.SHDSL, RS485, RS232 link
- Central Server able to manage up to 32 UCC32 (PC type computer)
- Friendly MMI interface
- Artificial Intelligent statistic Software
- Centralization computer can manage up to 255 track circuit
- Allows to treat up to 36000 events per hour for a centralization computer
- A large scale of Network Interface (RS232, JBUS, IP...)



Default graph



Pulse graph

Configuration window



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IN BRIEF

- TCl is a condition monitoring for track circuit
- 2 functioning mode:
- local mode: self contain system
- remote mode: with a computer linked by G.SHDSL, Ethernet or other IP support
- Able to manage a large quantity of track circuit
- Several kinds of detection by a friendly MMI