

CUSTOMIZED

Industry: Electrical industry

Universal, portable testing system for various industries



Task

The task was to develop a universal testing system that can be used at different production sites. Different criteria must be met and several products must be contacted at the individual test stations.

Solution

To use the testing system quickly and flexibly it was incorporated into a mobile rack. Our multifunction tester KT 3881 F can test according to virtually all national and international standards. Among others, a leakage current test was also included to ensure this. A connector panel with different sockets and test sockets meets the requirement of connecting different products. Testing with high voltage test pistols is also an option. The testing system is equipped with WLAN to allow complete documentation of the test results. All test results are stored with the associated serial number in PDF format on the server. Here, the test programs, which are then installed on the testing system are managed.

Advantages

- + Simple, intuitive operation for semiskilled personnel
- + The DUT needs to be connected only once, then the whole test process occurs automatically
- + In network operation, all test data is automatically saved at the specified location / database
- + Long service life and service-friendly design
- + All values and settings can be made using software
- + Workplace safety according to EN 50191
- + All usual, world-renowned safety tests can be carried out
- + High portability due to the device trolley used

Specifications

- Continuity test 22 V DC
- Protective earth conductor test 10 A AC – 30 A AC
- Insulation resistance test 500 V DC
- High voltage test 5,500 VAC / 6,000 V DC / 100 mA
- Function test single-phase up to 400 V AC / 16 A
- Leakage current test 100 μ A, 1mA and 10-A range