

HISVOLT

- PC controlled test system
- Use in industrial safety testing
- Offline application
- Electrical test
- Modular construction technology

TESTSYSTEM

Description / Application

HISVOLT is used in the production as a flexible HV / PE-testing system. It takes high voltage and earth measurements in combination by using functional tests.

HISVOLT closes the gap to safety-test products.

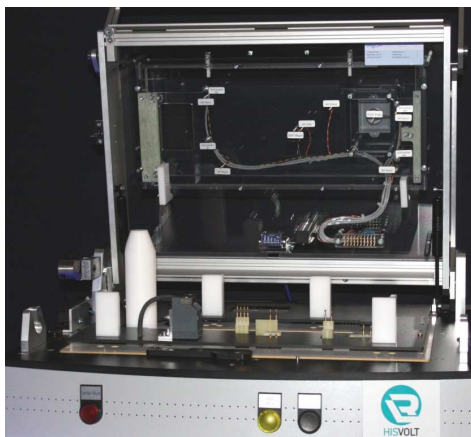
The used system is designed so that a wide range of measuring tasks can be realized.

The modular design of the system allows different applications and configurations of the system.

Thus HISVOLT used as a quality instrument in safety testing. Typical applications in the final assembly area combination of HV / PE and electrical function testing, as well as the function and safety at board level.

System design

- System design in 19 "Technology
- HV / PE matrix
- Contact is made by high-current contacts
- Use of standardized, calibrated measurement



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HV / PE matrix

The HV / PE matrix is an intelligent switching matrix with Beckhoff control system, consisting of signal, high current and high voltage switching.

During the AGM - testing an electrical Kontaktierüberwachung is carried out.

This allows for a combination:

- High voltage test
- PE test
- Functional test

Technical data of the whole

Dimensions (W x H x D): 553 x 1185 x 780 mm

Weight: approx. 150 kg

Control: PC control with Systembus,
 Ethernet-based

HV - Measurement: typical 1500VAC, 5mA
 (100 - 5.000VAC,
 0 - 100mA)

PE - Measurement: typically 6V, 12A
 (6/12V, 10 - 32A)

Electrical supply: 230 V / 50 Hz

Air supply: >6 bar und ca. 30l./min

Power consumption: ca. 750 W

Optional:

AC voltage source:
 0 - 165/265V, 500VA
 45 - 400Hz

