

Item No.: SE2671-1C

VDE building management: interface, lighting & appliance wiring, fault sim.

Compact, multi-functional, computer-based training equipment for electrical wiring installation and associated protective measures on the topic: "Lighting and appliance circuits". The system contents include the overarching topics of wiring installation circuits, planning, cabling, installation of wiring, sub-distribution and protective measures conforming to VDE standards. All experiments can be undertaken with fault simulation switched on or off. By combining the various simulated faults, a large number of exercises can be devised.

The hardware is supplemented not only by training software but also by software for planning electrical wiring installations for complete buildings. Built-in product databases encompassing various manufacturers allow for all kinds of plans and lists to be generated and printed out.

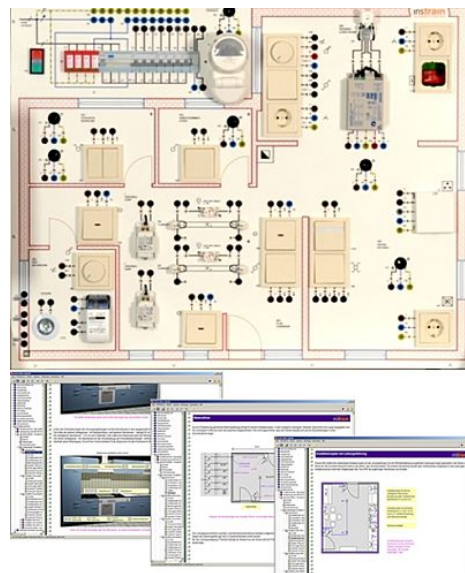
The training objectives are structured as follows:

- Training projects, overview
- Producing various documentation
- Training project: Installation of a kitchen according to customer order
- Training project: Installation of a bathroom after detailed meetings with customer
- Training project: Installation of a hall with job planning
- Training project: Installation of a bedroom/nursery according to customer order
- Training project: Sub-distribution with planning and calculation of costs
- Testing of all installations in accordance with DIN VDE 0100 part 600
- Lightning and excess voltage protection
- Documentation, handover and test report

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Equipment and functions supplied

- CD-ROM with Labsoft browser and course software
- Planning software for planning installations in whole buildings
- Wiring installation training system "Building service entry and main distribution box"



- Fault simulation: 32 simulated faults can be activated
- Combined residual current circuit-breaker RCCB, 30 mA
- 3-pole circuit breaker
- 6 single-pole circuit breakers
- Excess voltage protection circuit for electronic equipment
- High-sensitivity excess voltage protection circuit for electronic equipment
- Current-surge relay
- 3 x 230V sockets
- Appliance socket, 400V
- 4 on-off/change-over switches
- Multi-circuit switch
- Cross-over switch
- 2 dimmers
- Motion sensors
- 2 Fluorescent lights with sockets, ballast and starter
- 1 Compact fluorescent lamp with dimmable ballast module
- 1 Low voltage halogen lamp with dimmable electronic transformer
- 1 Multi-function switch with motion detector
- 2 x voltmeters, max. 600V
- 1 x ammeter, max. 10A,
- 1 x Three-channel oscilloscope max. 600V
- Inputs and outputs: 4mm safety sockets
- Measuring inputs: 2mm safety sockets
- 2 x voltmeters, max. 600V
- 1 x ammeter, max. 10A,
- 1 x three-channel oscilloscope max. 600V
- Interface with USB port
- Operating voltage: 3 x 230V/400V/50Hz
- Connector: CEE 16A
- Dimensions: 1000 x 800 x 220mm
- Weight: 25kg