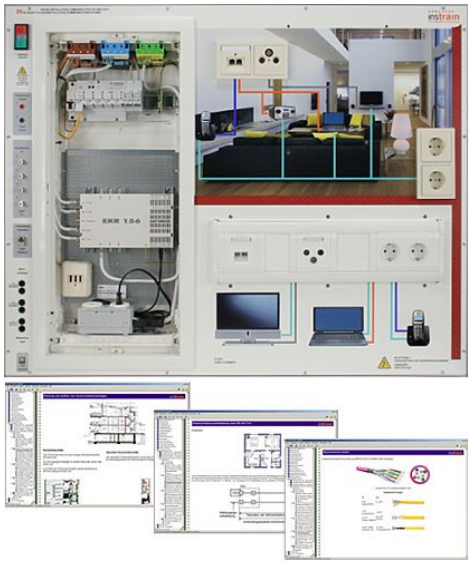
Item No.: SE2671-1E

Building management training kit: interface, networks, fault sim.



The training objectives are organised as follows:

- Training projects, overview
- Connection of two PCs using a cross-over cable
- Making and testing a cross-over cable
- Installation, wiring and testing of two RJ45 sockets in a channel segment
- Networking PCs via RJ 45 sockets (no soldering, screwing or stripping)
- Equipping a distributor with NTBA, W-LAN router, etc.
- Installation of a patch panel in a multimedia distributor
- Making a patch cable
- Networking PCs via network switches and patch panels
- Networking two PCs via polymer optical fibre (POF)
- Configuring a DSL connection
- Setting up a W-LAN connection
- Inputting a signal via a DVB-T receiver
- Installation of lead-through and terminal sockets in a channel segment (co-ax)
- Documentation, handover and test report

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.

Technical data

- Operating voltage: 230/400V/50Hz
- Connector: 16A earthed plug
- PC connection: USB
- Functional elements:
  Multimedia distribution cabinet
  4-way switch
  4-port hub
  2 plug sockets for appliances with protection class II
  DSL W-LAN router
  2 earthed plug sockets 230V
  Splitter
  2 channel segments
  Assembly equipment for RJ 45 sockets, Cat 6a
  2 RJ45/fibre-optic converters

Assembly equipment for antenna sockets
Assembly equipment for fibre optic/POF

- Integrated measuring instruments:
  2 voltmeters, max. 600V
  1 ammeter, max. 10A
  1 three-channel oscilloscope, max. 600V
- Dimensions: 1000 x 800 x 220mm
- Weight: 45kg

Apart from the educational training software, the topic can be supplemented by planning software for an entire building installation. This software encompasses the areas of electricity, bathroom installation, heating, air conditioning and ventilation. Integrated product databases for various manufacturers allow for the following functions to be implemented:

- Generation of 2D or 3D floor plans
- Generation of wiring plans for differing installations
- Generation of plans for TV facilities, networks, telephone networks
- Generation of tendering documents
- Generation of equipment lists
- Generation of distribution plans
- Accommodation for installation guidelines
- Generation of test documents