

TL818

NEW

## EXPERIMENT SYSTEM OF ELECTRICAL INSTALLATIONS AND TESTING TECHNIQUES

**Features**

- .Represent a small size building for residential use
- .Analyze the correct procedures mounting such as:
  1. Light and EMF distribution systems with energy counter (kWh)
  2. Stair light system
  3. Interphone system
  4. Protective earth and equipotential system
- .Testing of electrical installations according to the international (IEC) standards.
- .Measure insulation, fault loop, impedance and voltage drop
- .Execute continuity tests and checking of the protection devices on already wired and operative circuits
- .Carrying out changes and transformations on already existing installations.

**Specifications**

- .Mechanical characteristics
- .Build in welded, chemically treated and epoxy painted sheet steel
- .Each of the 4 available walls, several electrical and electronic components, embedded into flush-mounted junction boxes, are placed over hinged panels
- .Whole structure is set on a wheel mobile base

Dimensions (W × H×D): 880 × 1300 × 800 mm

Weight: 100kg

**Electrical characteristics****Wall 1 (main entrance)**

- 1 Main power supply 230 V 16 A
- 1 Single-phase energy counter 230 V 20 A
- 1 Switchboard with earth leakage circuit brake and 3 thermal-magnetic circuit breakers
- 1 Interphone porter with 2 pushbuttons and 2 illuminated name-plates
- 1 Electric lock
- 1 Equipotential protective earth collector
- 1 Ground connections with 1-ohm resistor and sectioning terminals



## Wall 2 (sitting room and kitchen)

- 1 Light installation with incandescent lamps 230V controlled by 2 pushbuttons and step-by-step relay
- 2 Outlets 230V 16A for sitting room users
- 1 Incandescent lamp 230V with dimmer
- 1 Door bell
- 1 Thermostat (day-time area)
- 1 Low energy consumption lamp controlled by two-way switches
- 2 Outlets 230V 16 A for electric household appliances
- 1 Interphone communicating with the gate porter
- 1 Buzzer for calls from bathroom



## Wall 3 (bedroom and bathroom)

- 1 Incandescent lamp controlled by 2 two-way switches and 1 intermediate switch
- 1 Outlet 230V 16A for electrical household appliances
- 1 Single-phase outlet 230V 10A for the lights
- 1 Thermostat (night-time area)
- 2 Pushbuttons for service call
- 1 Pushbutton for emergency calls from the bathroom
- 1 Thermostat (bathrooms)
- 1 Outlet 230V 16A for boiler supply.

## Wall 4 (office, stairwell, heating plant)

- 2 Lamps with switch
- 1 Outlet 230V 16A for electric household appliances
- 1 Single-phase outlet 230V 10A for lights
- 1 Interphone communicating with the gate porter
- 1 Incandescent lamp 230V with two pushbuttons and time relay
- 1 Outlets 230V 16A for heating plant
- 3 Pilot lamps (simulation of water pumps for different heating areas)



POWER SUPPLY

TEST INSTRUMENT

EDU. INSTRUMENT

METER

ACCESSORY