



Key features

The kit includes:

- BZ101 – Buzz-It check plug with sounder for UK 13A sockets
- TEK101 – Non-contact voltage indicator with built in proving device
- VT7 – Single pole contact voltage tester suitable for use when wearing PPE
- MTL20 – Drummond AC/DC dual impedance test lamp 600V CAT IV
- PD440 – 440V AC Proving device
- TC71 – Hard carry case

The complete solution to enable safe working practices during the installation of smart meters.

The SMKIT20 contains all the test tools needed to ensure safe isolation procedures can be implemented during the installation process.

The comprehensive kits include, a Buzz-It check plug for checking the wiring on 13A sockets, a non-contact voltage indicator with probe tip for identifying phase & neutral lines and a single pole contact voltage tester suitable for use when wearing protective gloves and gauntlets. For CAT IV supply-side safe isolation testing, there is a Drummond MTL20 test lamp with proving device.

The MTL20 included in SMKIT20 has the additional benefit of a dual impedance function. The low impedance is useful for meter testing during the installation process and differentiating between potentially harmless phantom voltages and hazardous live voltages.

A hard carry case is included for the whole kit.

BZ101 230V Socket Tester with Audible Buzzer**Electrical**

Nominal operating voltage: 230V~ ±10%
Operating frequency: 30-70Hz
Power consumption: <3W
Power: from mains socket under test
Open earth/neutral indication: >50kΩ at 230VAC nominal

General

Dimensions: 65 x 65 x 47mm

Environmental

For indoor use only
Temperature (Operating & Storage): -10°C to 40°C,
at max. 60% RH
Pollution degree: 2
Altitude: <2000m

Safety

Conforms to BS EN 61010-1, CAT II 300V

TEK101 Non Contact Voltage Detector**Environmental**

Temperature (Operating & Storage): -10°C to 40°C
Humidity (Operating & Storage): ≤ 85% R.H.
Altitude: up to 2000m
Pollution degree: 2

General

Power: 9V, PP3 alkaline battery (IEC 6LR61, NEDA 1604A)
Current consumption: 34mA max
Dimensions: 205 x 36 x 25 mm
Weight: approx. 120g (battery included)

Safety

Conforms to BS EN61010-1, CAT IV 1000V
Class II, double insulation

EMC

Conforms to BS EN61326-1

VT7 Single Pole Voltage Indicator**Electrical**

Audible and visual indication
Voltage range: 50V - 600V AC RMS nominal
Frequency range: 50 - 60Hz
Test current: <5μA

Environmental

Location: Suitable for indoor use & outdoor use in dry weather conditions only
Temperature: (Operating & Storage): -10°C to 55°C
Humidity: (Operating & Storage): ≤ 85% R.H.
Altitude: up to 2000m
Pollution Degree: 2

General

Power: 9V, PP3 alkaline battery (IEC 6LR61, NEDA 1604A)
Dimensions: 236(L) x 44(W) x 33(D) mm
Weight: 120g (battery included) approx.
Includes: 9V PP3 battery, instructions

Safety

Conforms to BS EN 61010-1 CAT IV 300V, CAT III 600V
Class II, Double Insulation

EMC

Conforms to BS EN 61326-1

Drummond MTL10 Test Lamp**Environmental**

Temperature (Operating & Storage): -10°C to 55°C
Humidity (Operating & Storage): ≤ 85% R.H.
Altitude: up to 2000m
Pollution degree: 2

General

Power: from circuit under test
Dimensions: 213(L) x 112(W) x 72(D) mm.
Weight packed:
MTL20 – 350g approx.

Includes: 2pc. Straight prod, 1pc. L-shaped prod, instructions

Safety

Conforms to BS EN 61243-3:2010 CAT IV 600V
Class II, double insulation.
IP rating: IP64
Probe tips comply with GS38

EMC

Conforms to BS EN 61326-1

PD440S 440V AC Proving Unit**Electrical**

Output voltage: 440V nominal
Output frequency: 50Hz nominal
Voltage output times out after approximately 10s.
Output loading: See typical output voltage vs. loading graph

Environmental

Operating temperature: -10°C to 40°C at max. 70% R.H.
Altitude: up to 2000m
Pollution degree: 2

General

Power: Internal batteries
Internal batteries: 6 x 1.5V, AA alkaline batteries (IEC LR6, NEDA 15A)
Dimensions: 150 x 80 x 35mm.
Weight packed: 410g approx. with batteries
Includes: 6 x 1.5V AA alkaline batteries, instructions

Related products

SMKIT5 smart meter installation kit
SMKIT10 smart meter installation kit

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