

FLUKE.

## Multifunction tester 1662KIT



### Order data

Order number	473093 1662KIT
GTIN	195112035702
Item class	47H

### Description

#### Version:

A robust, easy-to-use installation tester.

The Fluke 1662 installation tester gives you excellent Fluke reliability, an easy-to-use design and the range of features you need for day-in, day-out installation testing.

The Fluke 1662 takes you to the next level by enabling you to quickly and effectively perform tests in accordance with national installation regulations.

#### Measuring functions

- **Measuring function**
- **Voltage and frequency**
- **Polarity tester; detects broken N conductors**
- **Insulation resistance**
- **Continuity and resistance**
- **Measure motor windings with a continuity test**
- **Loop and line impedance**
- **Earth fault current (PEFC/IK)**
- **Prospective short-circuit current (PSC/IK)**
- **RCD tripping time**
- **RCD tripping current (ramp test)**
- **Measures the tripping time and tripping current for RCD type A and AC in a single test**
- **Variable test current for RCDs**
- **Automatic test sequence for residual current protective devices (RCDs)**
- **Phase sequence indicator**

**Further features**

- **Automatic start for RCD and loop impedance measurement, can be switched on and off**
- **Self-test**
- **Illuminated display**
- **Time and date (when used with the optional FlukeView software)**

**Feature:****AC voltage measurement**

Range: 500 V

Resolution: 0.1 V

Accuracy at 45 to 66 Hz: 0.8% + 3 digits

Input impedance: 360 k $\Omega$

Overload protection: 660 V rms

**Continuity testing (RLO)**

Measuring ranges (autoranging): 20  $\Omega$  / 200  $\Omega$  / 2000  $\Omega$

Resolution: 0.01  $\Omega$  / 0.1  $\Omega$  / 1  $\Omega$

Open circuit voltage: >4 V

**Insulation resistance measurement (RISO)**

Test voltage: 100 / 250 / 500 / 1,000 V

Accuracy of test voltage (at rated test current): +10%, -0%

Insulation resistance range: 20 M $\Omega$  / 50 M $\Omega$ ; 20 M $\Omega$  / 100 M $\Omega$ ; 20 M $\Omega$  / 200 M $\Omega$ ; 20 M $\Omega$  / 200 M $\Omega$  / 500 M $\Omega$ ; 20 M $\Omega$  / 200 M $\Omega$  / 1000 M $\Omega$

Resolution: 0.01 M $\Omega$  / 0.1 M $\Omega$ ; 0.01 M $\Omega$  / 0.1 M $\Omega$ ; 0.01 M $\Omega$  / 0.1 M $\Omega$ ; 0.01 M $\Omega$  / 0.1 M $\Omega$  / 1 M $\Omega$ ; 0.01 M $\Omega$  / 0.1 M $\Omega$  / 1 M $\Omega$

Test current: 1 mA at 50 k $\Omega$ ; 1 mA at 100 k $\Omega$ ; 1 mA at 250 k $\Omega$ ; 1 mA at 500 k $\Omega$ ; 1 mA at 1 M $\Omega$

**Loop and line impedance (ZI)**

Range: 10  $\Omega$  / 0.001  $\Omega$  (Hi current m $\Omega$  mode)

Resolution: 0.01  $\Omega$  / 0.1  $\Omega$  / 0.1  $\Omega$  / 1  $\Omega$

**Short-circuit current (Ik), PSC test**

Range: 1,000 A / 10 kA (50 kA)

Resolution: 1 A / 0.1 kA

Computed values: the prospective earth fault current (PEFC) or prospective short-circuit current (PSC) are determined by dividing the measured mains voltage by the measured loop impedance (L-PE) or line impedance (L-N), respectively.

**Earth resistance test (RE)**

Range: 200  $\Omega$  / 2000  $\Omega$

Resolution: 0.1  $\Omega$  / 1  $\Omega$

Frequency: 128 Hz

Output voltage: 25 V

**Phase sequence indication:** YES

**General specifications**

Size (LxWxH): 10x25x12.5 cm

Weight incl. batteries: 1.3 kg

Battery type, quantity: 1.5 V type AA (LR6 Mignon), 6 per unit

Index of protection: IP40

Safety: according to EN/IEC 61010-1 and EN/IEC 61010-2-034

Overvoltage category: CAT III 500 V; CAT IV 300 V

Relevant standards: EN 61557-1 to EN 61557-7 and EN 61557-10

**Supplied with:**

- **Fluke 1662 multifunction installation tester**
- **6 AA batteries (IEC LR6)**
- **C1600 hard case**
- **Zero adapter**
- **Robust mains cord**
- **STD standard set of test leads**
- **C1600 hard case**
- **Padded carrying and hip strap**
- **Quick guide**
- **TP165X probe with trigger button and test leads**

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## Technical description

Battery type	LR6
Number of batteries contained	6
Power supply	Battery-powered
Type of product	Multimeter