

Metrel MI 3108ST EurotestPV Standard Kit

Product Images

Product Code: C70-2036



Short Description

The Metrel MI 3108 EurotestPV is a combined photovoltaic tester and electrical installations safety

tester. It enables complete testing of electrical installations according to EN 61557 standards and in addition performs all necessary tests required on single-phase photovoltaic (PV) installations.

This includes all of the tests as required by EN 62446, but also includes I - U characteristic, Calculation of STC values and power measurements on Inverter's DC and AC sides.

The unit is designed for the demanding working conditions (up to 1000 V, with 15 A DC). To greatly improve user safety the MI 3108 EurotestPV comes with the PV Safety Probe which ensures safe disconnection every time.

Features

Photovoltaic installations

- Calculation of STC values: the measured current and voltage values are, according to environment conditions, recalculated to Standard Test Condition values which makes possible, to compare the results even if they were taken under different test conditions.
- Graphical representation: the I-V characteristic of PV module or string is graphically represented on LCD display.
- Power and efficiency measurements: 2 voltage & 2 current channels for simultaneous AC & DC parameters measurements.
- PV Remote Unit: Optional unit for simultaneous measurements of solar irradiation and temperature of PV module.

Electrical installations

- RCD Auto: Automated RCD testing procedure significantly reduces test time.
- Trip Lock function: Loop impedance test are performed without tripping the RCD.
- B type RCD testing: is supported.
- Earth resistance measurement: instrument supports 3-wire earth resistance testing.
- Built-in fuse tables: for automatic evaluation of the line / loop impedance results.
- Online voltage monitoring: monitors all 3 voltages in real time.
- Scope function: real-time U/I scope.
- Harmonics analysis: 1-phase power and energy measurements with up to 11th harmonics analysis is supported.
- Memory: Up to 1800 test results or up to 500 graphical results with timestamp can be stored in internal memory.
- BT connectivity: it enables BT communication with Android tablets and smart phones via optional BT dongle.
- Android application: enables advanced data management APP EuroLink PV and EuroLink Android.
- Downloadable: PC SW EuroLink PRO enables downloading, review, analyses and printing of test results.

Contents

- Instrument MI 3108 EurotestPV
- Soft carrying bag
- Tip commander
- Test lead, 3 x 1.5 m
- Test probe, 3 pcs (blue, black, green)

- Crocodile clip, 3 pcs (blue, black, green)
- PV Safety Probe
- PV MC3/4 male/female adapters
- AC/DC current clamp
- PV reference cell + cable adapter
- Temperature probe + cable adapter
- Power supply adapter + 6 NiMH batteries, type AA
- USB and RS232 - PS/2 cable
- PC SW EuroLink PRO
- Set of carrying straps
- Short instruction manual
- Instruction manual and handbook on CD
- Calibration certificate

Please see datasheet for full specifications

Description

The Metrel MI 3108 EurotestPV is a combined photovoltaic tester and electrical installations safety tester. It enables complete testing of electrical installations according to EN 61557 standards and in addition performs all necessary tests required on single-phase photovoltaic (PV) installations.

This includes all of the tests as required by EN 62446, but also includes I - U characteristic, Calculation of STC values and power measurements on Inverter's DC and AC sides.

The unit is designed for the demanding working conditions (up to 1000 V, with 15 A DC). To greatly improve user safety the MI 3108 EurotestPV comes with the PV Safety Probe which ensures safe disconnection every time.

Features

Photovoltaic installations

Calculation of STC values: the measured current and voltage values are, according to environment conditions, recalculated to Standard Test Condition values which makes possible, to compare the results even if they were taken under different test conditions.

Graphical representation: the I-V characteristic of PV module or string is graphically represented on LCD display.

Power and efficiency measurements: 2 voltage & 2 current channels for simultaneous AC & DC parameters measurements.

PV Remote Unit: Optional unit for simultaneous measurements of solar irradiation and temperature of PV module.

Electrical installations

RCD Auto: Automated RCD testing procedure significantly reduces test time.

Trip Lock function: Loop impedance test are performed without tripping the RCD.

B type RCD testing: is supported.

Earth resistance measurement: instrument supports 3-wire earth resistance testing.

Built-in fuse tables: for automatic evaluation of the line / loop impedance results.

Online voltage monitoring: monitors all 3 voltages in real time.

Scope function: real-time U/I scope.

Harmonics analysis: 1-phase power and energy measurements with up to 11th harmonics analysis is supported.

Memory: Up to 1800 test results or up to 500 graphical results with timestamp can be stored in internal memory.

BT connectivity: it enables BT communication with Android tablets and smart phones via optional BT dongle.

Android application: enables advanced data management APP EuroLink PV and EuroLink Android.

Downloadable: PC SW EuroLink PRO enables downloading, review, analyses and printing of test results.

Contents

Instrument MI 3108 EurotestPV

Soft carrying bag

Tip commander

Test lead, 3 x 1.5 m

Test probe, 3 pcs (blue, black, green)

Crocodile clip, 3 pcs (blue, black, green)

PV Safety Probe

PV MC3/4 male/female adapters

AC/DC current clamp

PV reference cell + cable adapter

Temperature probe + cable adapter

Power supply adapter + 6 NiMH batteries, type AA

USB and RS232 - PS/2 cable

PC SW EuroLink PRO

Set of carrying straps

Short instruction manual

Instruction manual and handbook on CD

Calibration certificate

Please see datasheet for full specifications