

Demonstration boards

MI 3088 PV Demonstration Board



Demonstration board MI 3088 simulates typical photovoltaic (PV) system with one PV module and DC/AC inverter. It represents a typical installation that consist of PV string, DC switch box, DC/AC inverter and one phase connection to the power grid. It is intended for use preferably by sales personnel for demonstration of the measuring methods and procedures on DC and partially on AC side of a PV system.

KEY FEATURES

- With this demo board all electrical tests according to EN 625446 can be demonstrated: continuity, isolation, open circuit voltage U_{oc} , short circuit current I_{sc} and polarity.
- It simulates an I/V characteristic of a PV module/string.
- Simulated output of the irradiance and temperature sensor.
- Simulation of a DC/AC inverter with one DC input and single phase output.

APPLICATION

- Presentation of testing of a PV system;
- Demonstration of PV test equipment by sales personnel.

STANDARDS

Functionality

- EN 62446

Electromagnetic compatibility

- IEC/EN 61326

Safety

- EN 61010 -1

STANDARD SET

MI 3088

- Demonstration board
- Mains cable
- PS2 male / male adapter
- Test lead 1.5 m, black
- Test lead 1.5 m, red
- User manual



Picture of MI 3088 - set

TECHNICAL DATA

Power supply	115 V/ 230 V, 50 Hz / 60 Hz
Overvoltage category	CAT II / 300 V
Dimensions	450 x 330 x 110 mm
Weight	12.5 kg