

VoltScanner MI 2130



1-phase voltage recorder for quick EN 50160 power supply assessment



VoltScanner is a 1-phase voltage recorder for testing supply voltage on a socket in accordance with EN 50160 power quality standard.

Recording up to four weeks is possible and up to 3500 events can be stored into the instrument's memory module.

MS Windows compatible PC Software ScanLink supports downloading, management of recorded data and preparation of test reports.

Target applications

- Supply voltage testing in accordance with EN 50160 is now possible even for unskilled people.
- Capturing and recording of power supply events (shut-down's, interruptions, sags, dips, transients).
- Ideal solution for IT managers who want to control input voltage.
- Voltage monitoring on the customer's side for power distribution companies.
- Pre-programmed instrument can be simply sent to the customer and connected to the socket for a definite period of time.

Main features

- EN 50160 Auto mode
- Recording of voltage interruptions, dips, sags and swells
- All events are selected by character, time and duration
- Voltage transients down to 1µs can be captured
- Adjustable triggering limits for voltage events
- LED indication of recorded events
- Instrument can be configured either directly or over PC
- Windows compatible ScanLink PC Software supports downloading and programming of the instrument. Transfer of recorded data to other MS programmes (Excel, Word, etc.) is possible as well.

Standards

Instrument is developed and manufactured in accordance with following standards:

Safety: IEC/EN 61010-1

EMC: IEC/EN 61326-1

Measurements: EN 50160

Detailed reports and graphs with

ScanLink Windows software for analysing and print-outs with a complete history of captured events in a tabular or graphic form (statistics). Reports can be presented either in a pre-arranged EN 50160 or customized form.



Technical specification

Measurement

Voltage (L - N)

Range	Accuracy	Resolution
90 ÷ 265 V	± 2 V of reading +2 %	1 V

Voltage (N - PE)

Range	Accuracy	Resolution
0 ÷ 155 V	± 2 V of reading +2 %	1 V

Frequency

Range	Accuracy	Resolution
47 ÷ 52 Hz, 57 ÷ 62 Hz	± 0.1 Hz ± 0.1 Hz	0.1 Hz 0.1 Hz

Transients

Range	Accuracy	Resolution
50 to 2600 V	± 10 %	5 V
Minimum width:	1 µs	

General

Nominal Supply Voltage:	230 V or 120 V
Nominal Frequency:	50/60 Hz
Communication:	RS 232 serial interface, fully opto isolated, 9 pin, D-type connector
Memory:	32 kB, 3500 events
Power supply:	Battery-rechargeable NiMH 1.2 V, 4 pcs
Overvoltage category:	CAT III/300 V

Ordering information:





Standard set

Part No. MI 2130



- Instrument VoltScanner
- Mains measuring cable, 1.5 m
- Battery-rechargeable NiMH 1.2 V, 4 pcs
- PC SW ScanLink
- RS232 cable
- Instruction manual
- Product verification data

Optional accessories:

Photo	Order No.	Acc. description
	A 1020	Small soft carrying bag
	A 1171	USB/RS232 converter with 1 m fixed cable
	S 1112	Universal test cable 1.5 m with 3 safety test tips
	S 2010	Alligator clips



Measuring and Regulation Equipment Manufacturer

METREL d.d.
Ljubljanska 77
SI-1354 Horjul
Tel: + 386 (0)1 75 58 200
Fax: + 386 (0)1 75 49 226
E-mail: metrel@metrel.si
<http://www.metrel.si>

Note! Photographs in this catalogue may slightly differ from the instruments at the time of delivery. Subject to technical change without notice.