

## 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,	± 0.1 Hz	0.1 Hz
57 ÷ 62 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. decription
	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



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