

# VOLTCORDER

## Miniature Voltage Trend Recorder



- **Miniature mains voltage recorder**
- **Measures & records RMS, Max & Min voltage, dates & times**
- **Stores data to internal memory**
- **Used for initial investigation**
- **Inexpensive**
- **Small and lightweight**
- **Voltsoft Windows software tracks Voltcorder status and analyses results.**

---

### DESCRIPTION

The Megger<sup>®</sup> Voltcorder is a miniature voltage trend recorder intended for the initial investigations of customer voltage problems.

The unit is set up prior to despatch to the customer's premises using the supplied Windows Voltsoft software. It is small enough to be posted to the consumer complete with user instructions. When the unit is plugged into a supply socket recording will start in accordance with previously programmed instructions.

When recording is completed the customer simply returns the unit by post. The Voltcorder plugs directly into the supply socket and records the RMS, Max & Min voltage, along with real time dates and times in internal memory for later download to a PC.

The data may then be analysed using the Voltsoft software. In this way real voltage problems can be highlighted for further investigation, if necessary, using traditional power quality recorders.

### APPLICATIONS

The Voltcorder is relatively inexpensive and is small enough to be posted directly to the customer, thereby offering increased customer service and speed of response. On receipt, the customer simply plugs in the Voltcorder and waits until the red light turns green. The Voltcorder is then sent back for the results to be downloaded and analysed.

Voltsoft software for Windows<sup>®</sup> will set up the Voltcorder prior to despatch to the customer, analyse the results when the unit is returned, and will even print off despatch and return labels and user instructions.

The software also contains a database, which helps you to manage multiple units, always knowing where they are, and keeping track of downloaded data.

### FEATURES AND BENEFITS

- **Small, and lightweight**  
The Voltcorder can be simply sent through the post to the customer.
- **Types for many styles of sockets**  
There are several versions of the Voltcorder to suit your socket outlet. There is even an IP65 version, which is supplied with flying leads, for hard wiring

■ **Relatively inexpensive**

This simple recorder can identify many supply complaints. It is sufficiently inexpensive to allow several units to be despatched at the same time so that simple problems may be solved, and more complex problems identified.

■ **Quick & easy to use**

Once the Voltcorder has been programmed using the simply to operate windows software, all the customer has to do is plug in the Voltcorder whilst the power is on and wait until the red light turns green

All results are stored internally and downloaded to the Windows software for analysis, after the unit has been returned from the customer.

**SPECIFICATION**

**Measurement Accuracy**

± 1% of reading (within 90 – 260 V a.c. range)

**Measurement Range**

30 – 260 V a.c.

**Sampling Frequency**

1600Hz (32 samples per cycle)

**Memory**

**Capacity -**

**Voltcorder 32**

32,000 true RMS, max & min

**Voltage levels**

Voltcorder 32/IP65 32,000 true RMS, max & min

**Voltage levels**

**Type**

Non-volatile SEEPR0M

**Endurance**

100,000 – 1,000,000 read/write cycles

**Real-time clock accuracy**

Better than 0.01%

**Logging resolution (user selectable)**

1 second to 10 minutes (1 minute typical)

**Battery**

Type LiO2 (Lithium Dioxide)

**Life (while plugged in)**

Unlimited – mains powered & battery backup

**Life (while unplugged)**

9,000 hours (1 year).

24,000 hours during sleep

**Interface type**

RS-232 serial

**VoltSoft Software**

Windows 3.1X, 95, 98 or NT, 640 x 480 min screen resolution

**Operating Temperature**

-10°C to +40°C

**Weight**

335 gm.

**Dimensions**

100 x 85 x 65 mm.

**Recording Standard**

EN50160:1994

**ORDERING INFORMATION**

Included Accessories	Order Code	Included Accessories	Order Code
Mains Voltage Trend Recorder c/w serial cable, Voltsoft Software, mailing case, battery and user guide. Fitted with:		<b>Optional Accessories</b>	
AS3112 or NZ 5S198-1967 plug	Voltcorder 32/ANZ	Mailing Case	6220-661
CEE 7/16 plug	Voltcorder 32/EU	Voltsoft Software	6220-663
NEMA 5-15 plug	Voltcorder 32/NA	Serial lead for Voltcorder 32/IP65 only	6220-671
BS1363 plug	Voltcorder 32/UKI	Serial lead for all other Voltcorder 32s	6220-664
Flying lead	Voltcorder 32/IP65	Voltcorder with battery and user instructions only:	
		AS3112 or NZ 5S198-1967 plug	6111-435
		CEE 7/16 plug	6111-437
		NEMA 5-15 plug	6111-436
		BS1363 plug	6111-434
		Flying lead	6111-438