



TEST EQUIPMENT RENTAL SERVICES

When you rent Test Equipment from TDC, we want you to know that you will have a dedicated personal service from start to finish. Our Customer Service team is here to support you throughout your rental period.

TDC are independent specialists promoting all high quality manufacturers and instrument types. Equipment can be delivered Next Day or Same Day to suit your requirements.

When you are finished, simply contact us to arrange your equipment collection or alternatively you can despatch it back to us – we make it easy.

RENTING FROM TDC JUST MAKES SENSE

By using TDC Test Equipment Rental Solutions, you benefit from our extensive rental inventory that is second to none. We constantly refresh our equipment range with branded equipment manufacturers such as Megger, FLUKE, Chauvin Arnoux, OMICRON, FLIR, b2 HVA, Agilent Technologies, Dranetz BMI, Fujikura, JDSU, Ametek Jofra, GE DRUCK, RAE Systems, TSI Airflow, Rohde & Schwarz, NORBAR, PANAMETRICS, Tektronix and many more.

You can utilise our rental equipment to suit your own requirements, from one week to as many months as you need. You only pay for what you use down to the day. Renting with TDC is straightforward and easy. Our expert Sales and Applications Engineers will find the best solution to suit your application.

Delivery & Collection is arranged by us - we make it hassle free and easy.

TDC 6 POINT RENTAL GUARANTEE - OUR REPUTATION MATTERS



1 SAME DAY DISPATCH

Many of our customers operate to very strict deadlines. Providing the order is placed and confirmed before 3pm, your equipment will be despatched the same day.



2 QUALITY

All Equipment is checked prior to dispatch to ensure it is servicable and in safe working order. Certification checks are standard.



3 SUPPORT

We will provide you with enough information to make an informed choice of the correct equipment required for your application.



4 PRICE

We offer a simple price match promise. We'll match any genuine competitor quote.



5 CUSTOMER SERVICE

We can promise that throughout your rental period, we will do our utmost to provide you with the best customer service. All information we provide is in good faith and free of charge. We will provide a quote for any consultancy or professional advice that may be required.



6 REPUTATION

We know we are only as good as our last job. We don't just want regular customers - we want to build loyal customers.



For all enquiries, please contact: Gordon Thow (Test Equipment Rental Manager)

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FLUKE



TEST EQUIPMENT RENTAL SERVICES

1710 Voltage Quality Logger

Datasheet

Fluke VR1710 Voltage Quality Recorder

Technical Data



The Fluke VR1710 is a single-phase, plug-in voltage quality recorder. An extremely easy-to-use solution for detecting and recording voltage quality problems, it allows for immediate action and less downtime. The Fluke VR1710 satisfies the needs of maintenance and facilities management personnel in industrial, utilities, and large service organizations where reliable voltage quality is essential to the operation of the business. Voltage quality parameters including RMS average, transients, flicker, and harmonics up to the 32nd are recorded using a user-selected average period from 3 seconds to 10 minutes.

- **Fast and easy recording of voltage trends, dropouts, and power quality** – Easily pinpoint the root cause of voltage problems
- **Extremely easy to use** – Plug directly into the mains power socket and record
- **Continuous recording of all values with no gaps** – Save testing time by getting the whole picture with one instrument that records both events and voltage
- **Clear graphical summary of data and quick overview of key power quality parameters** – Take the guesswork out of diagnosing voltage quality problems
- **Min, Max, Average RMS values (1/4 cycle) with time stamps** – quickly see what happened and when
- **Actual transient display (>100 µs) with time stamp** – Quickly identify issues with included graphical software
- **Flicker according to EN 61000-4-15, individual harmonic and THD values with trends** – Easily identify if the problem is power quality or equipment related
- **Statistical analysis of voltage event** – reduces analysis time by tracking event quantities and magnitudes
- **Includes PowerLog software package for quick download, analysis, and automatic reporting** – Save time by generating reports automatically with pre-set templates

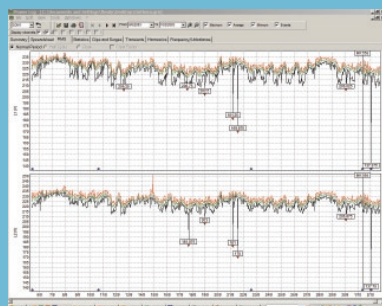
Applications

- **Voltage recording** – monitors and records supply voltage; measures RMS average, minimum and maximum values, and checks whether the socket outlet is providing voltage within tolerance.
- **Distortion measurement** – measure frequency and harmonics; check whether the distorting loads (UPS systems, drives, etc.) are affecting your other equipment.
- **Flicker measurement** – quantify the affects of switching loads on lighting systems.
- **Capture voltage transients** – capture those intermittent, momentary events that may be affecting your equipment; the full waveform is captured with date, timestamp, and duration.

General specifications

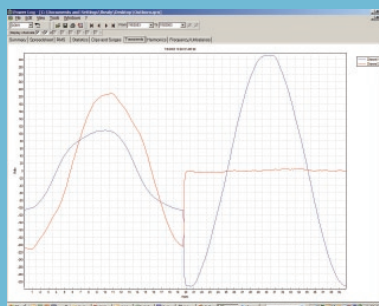
Features	Fluke VR1710
Operating voltage	70 V to 300 V
Min/Max/Avg RMS value	Resolution 0.125 V
Number of events	175,000
Dips/Interruptions	Yes
Time resolution	5 ms
Voltage resolution	0.125 V
Over-voltages	Yes
Frequency	Yes
Harmonics measurement	EN 61000-4-7 (up to 32 nd)
Flicker measurement	EN 61000-4-15
Number of recording channels	1 Phase to Neutral 2 Phase/Neutral to Ground
Recording time	1 day to 339 days depending on average time from 1 second to 20 minutes
Transients	Yes
Frequency range	50 Hz \pm 1 Hz and 60 Hz \pm 1 Hz
Safety category rating	CAT II 300 V

PowerLog software



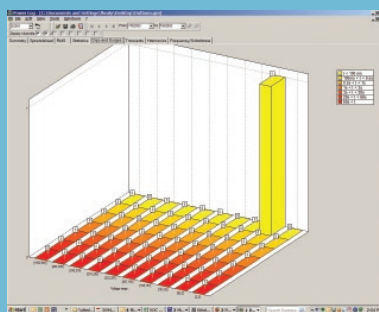
PowerLog Setup – Simple set up of internal clock, logging periods and intervals with default values for quick results.

PowerLog View – Data presentation showing RMS voltage and harmonic trends, actual transients, summary information and statistics in accordance with EN50160.



Transient measurement.

Actual transient display (> 100 μ s) with time stamp – Quickly identify issues with included graphical software.



Voltage dip measurement.

Statistical analysis of voltage event – reduces analysis time by tracking event quantities and magnitudes.

Ordering information

VR1710 Voltage Quality Recorder

Includes:

Plug-in Fluke VR1710, USB cable, PowerLog software CD, universal power cord adapters

Fluke. Keeping your world up and running.®

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AC/DC Motors & Generators



Electrical Engineering



Mechanical Engineering



Condition Monitoring



Precision Machining



Marine Electronics



Elec & Mech Product Supply



Calibration and Rental Services



Quality Coatings



Transformers



Control Panels



Compressors



Auxiliary Power Systems

To differentiate our organisation in order to achieve continuous, sustainable growth, TDC endeavours to fully understand and exceed the expectations of our customers, and to work proactively to deliver **Engineering Excellence.**



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