

QSR 2000 Electrical Quality of Supply Recorder

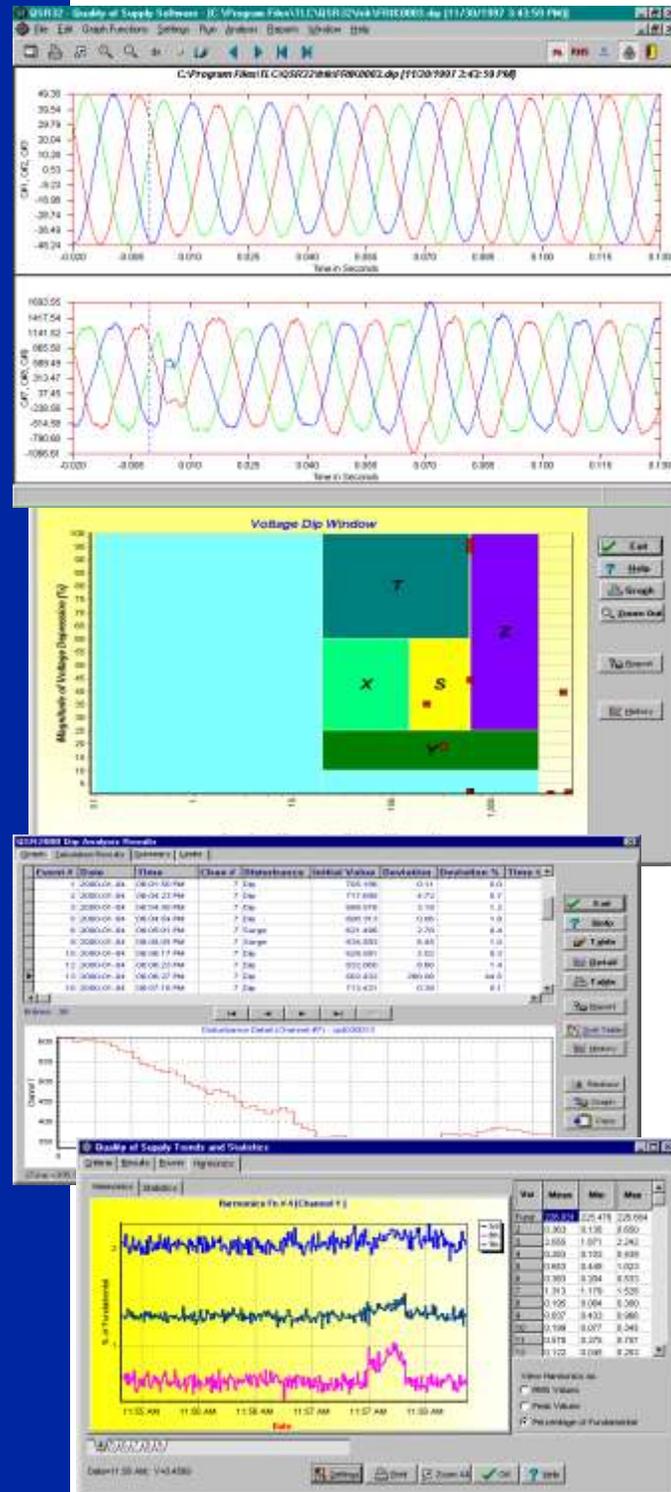
QSR2000 is a powerful, user friendly quality of supply and electrical disturbance recorder that can be used to locate and diagnose electrical power disturbances.

Designed around the SANS 1816, IEC 61000 and NRS048 specifications, QSR2000 will record and display quality of supply parameters and power disturbances to a database for immediate action and subsequent analysis.

The software has been designed with the user in mind and is easy to set up and use. An on-line help menu is provided.

QSR2000 is invaluable for any distributor or large user of electrical power who requires a continuous electrical supply to be maintained.

QSR2000's software can adapt to changes in local and international standards with software upgrades. Several configurations are available to suit user applications.



Features Overview

User Interface

- ✓ 32 bit MS Windows XP or Vista application for high performance and reliability
- ✓ Simple, easy to use menus with toolbars for rapid set-up and use
- ✓ Context sensitive help and on-line user manual

Measurement System

- ✓ Up 160 differential input channels. Voltage 0-380/410 volt. Current 1 or 5A CT or clamp-on probes. Units can be networked for unlimited channels
- ✓ 2.5kV rms common mode isolation between channels. 20kHz bandwidth
- ✓ Accuracy class 1 percent. Optional 0.5%
- ✓ Multichannel voltmeter and scope modes for set-up
- ✓ A comprehensive channel information sheet is provided to ensure the input signal is in the correct engineering units. Channel description, conversion factor, calibration factor and units can be specified for each channel. Setups can be password protected.

Recording Parameters

- ✓ Disturbance recording with independent upper and lower limits, fixed or floating nominal percentage and lower cut off limit for each channel
- ✓ Regulation (Voltage or Current)
- ✓ Flicker (IEC 868) and Flicker Emission
- ✓ Unbalance and Sequence components
- ✓ Harmonics (Voltage and Current)
- ✓ Power (1, 2 and 3 wattmeter). Star or Delta
- ✓ Maximum demand and Energy
- ✓ Quality of supply recording as instantaneous, averaged (seconds to 12 hours) or event based
- ✓ Pre-trigger 2 to 50 percent
- ✓ 64, 128 and 256 points per cycle
- ✓ 16 to 256 cycle measurements
- ✓ User defined external alarms

Display Options

- ✓ During set-up all detailed values can be displayed to determine correct phase connections
- ✓ Continuous tabular display of recorded parameters
- ✓ Waveform display of disturbance and summary list of last 5 events

Analysis Options

- ✓ NRS048 daily reports
- ✓ Disturbances can be displayed in a STUVW matrix or tabular format
- ✓ Entire disturbance waveform can be displayed and analysed. Dip history over selected period.
- ✓ Both disturbances and quality of supply data are stored in database formats for ease of analysis and reporting
- ✓ Quality of supply data can be selected and displayed graphically
- ✓ Export data to ASCII or MS Excel spread sheets

Connectivity

- ✓ Full client-server, LAN, modem or file based setup and data retrieval.

Contact us now for your demonstration copy



Your Engineering Solutions Partner

Tel: +27-11-463-3860

Fax: +27-11-463-2591

e-mail: sales@tlc.co.za

Web: www.tlc.co.za