



EASYTEST-NETWORK

DYNAMIC DATA ACQUISITION AND REAL TIME ANALYSIS SOFTWARE

EASYTEST NETWORK is a general purpose data acquisition software which can collect data from TESTBOX2010 and e-QUAKE series dynamic data acquisition devices.

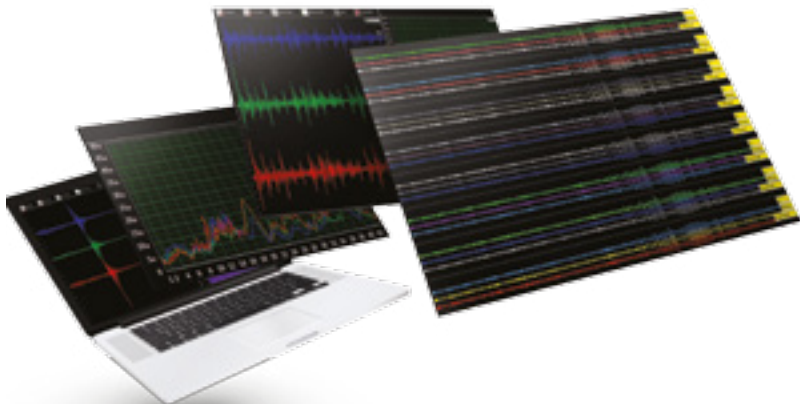
EASY SENSOR ASSIGNMENTS/ CALIBRATION

The software automatically recognizes all TESTBOX2010 and e-QUAKE devices that exist on the local web. It assists the users to name the devices and channels, and design the required test when the calibration coefficients are entered following the selection of active channels and sensors.

The calibration panels enable easy scaling of data coming from such sensors as accelerometers, strain gauges, load cells, pressure sensors and thermocouples. Besides, it is possible to perform multi-point calibration together with different interpolation options.

REAL TIME ANALYSIS - FFT, FILTERING, PEAK DETECTION, RMS, OTHER

The software launches real time data monitoring following automatic recognition and displays time domain and FFT graphics, Min, Max, average value, other numerical values in real time and gets ready for the recording. It provides pre-defined or user-defined filter options in different topologies (low-pass, high-pass, band-pass, band-stop)



DEVICE / SENSOR SETTINGS DATA DISPLAY, GRAPHICS RECORDING, REAL TIME ANALYSIS

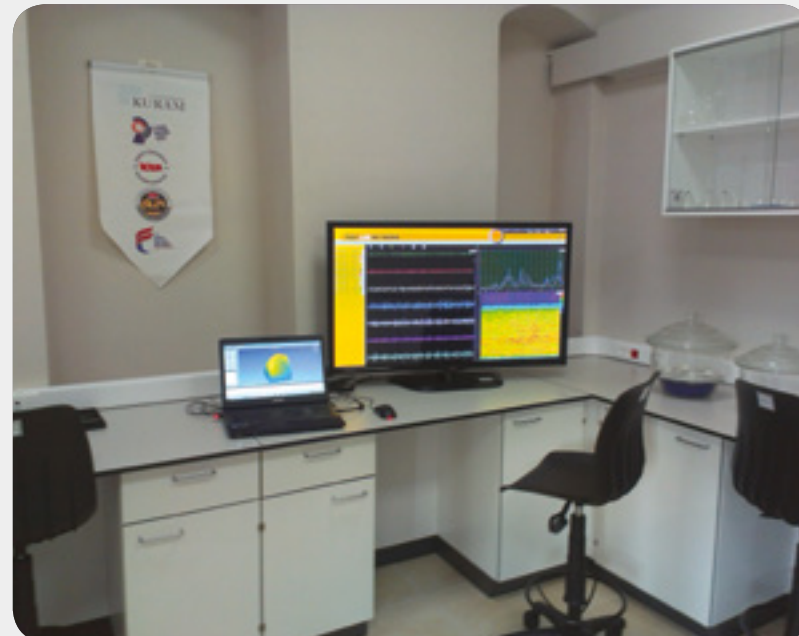
EASYTEST NETWORK provides a user-friendly interface where the frequent transactions can be made in a very easy and simple way. In addition to this, it hosts menus for advanced settings such as digital filtering, automatic recording, special graphics and virtual channels.

REMOTE ACCESS AND DATA DOWNLOADING

EASYTEST NETWORK software could broadcast data to internet on a real time basis. In case of any internet connection, the data could be transferred from measurement site - for example from the field - to any place on the world, for example to the office.



Real Time data Acquisition from TESTBOX2010 and e-QUAKE Series Devices	Calibration Support for Different Sensor Types	Real Time Monitoring / FFT Analysis	Real Time Analysis Integral, Derivative
Special User Defined Channels With Mathematical Formulations	MS Excel Compatible Data Record	Special and Detailed Graphical Options	Theoretical Infinite Number of Special Graphical Windows



DYNAMIC DATA ACQUISITION AND REAL TIME ANALYSIS SOFTWARE / ADVANCED DATA ANALYSIS SOFTWARE

EASYTEST-NETWORK
EASYTEST-ANALYZE

EASYTEST-ANALYZE

ADVANCED DATA ANALYSIS SOFTWARE

EASYTEST-ANALYZE is a post-analysis software which is developed for analyzing and reporting of the previously recorded data after the test. In particular it is an ideal solution for survey laboratories where it is necessary to report test results frequently for academic research studies where analyses are frequently needed.

NATURAL LOGICAL FLOW - PRACTICAL APPROACH

The software starts by opening the previously recorded test data. Required format conversions are made. Naming is automatically done. Since all acquired data channels and newly added data series as a result of the analysis performed by the user are always accessible and visible on the right hand side, the use of software is carried out in a natural flow without requiring any previous training.

CHAIN ANALYSIS

The user may apply various analysis on the recorded data (Fast Fourier Transform, Minimum, Maximum, Standard Deviation, Average, Moving Average, Scaling etc.) User can draw X-Y, logarithmic scaled graphics over time or re animate the data as if the test is repeated. User can display the data in different forms using various options on the graphic.

FAST ACCESS TO AND ANALYSIS OF BIG DATA FILES

Thanks to the special data format used, browsing in very big data files could be performed very rapidly. Analysis could be made by easy zooming to the data interval of interest.

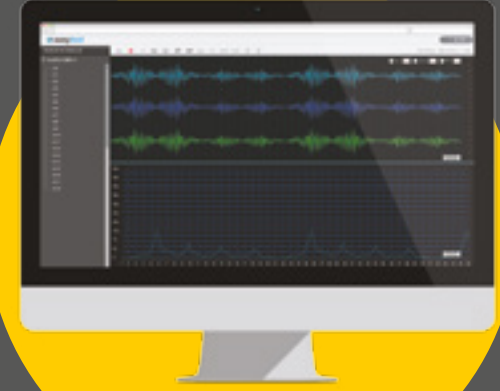
SPECIAL ANALYSIS DEMANDS

In addition to basic analysis options, it is possible to add analysis packages customized according to user demand and on project basis.

A special report template could be created in Excel by combining the results of the analysis conducted with the raw data and the graphics created. Thus required test report could be obtained from test results. A new record could be created using all calculations and graphics.

REPORTING

The software makes it possible to create user defined MS excel based template user reports and transfer of the recorded data to these reports.



EASYTEST-NETWORK

Quick and Easy Start Up

Practical Calibration

Real Time Analysis

Remote Access

www.teknikdestek.com.tr



EASYTEST-ANALYZE

Opening Tab Separated ASCII Based Data Files Automatically

Graphic Export options/ Transferring the Data In Graphic Directly to Excel

User Friendly Broad Analysis Possibilities

Playback Feature That Redraws the Data

Creating Special Report Templates in Excel

EASYTEST-ANALYZE ANALYSIS TYPES*		
MATHEMATICS Integral, Derivative	STATISTICS - CLASSIFICATION Number of points, Time at Level, Number of passes at level	SIGNAL PROCESSING FFT, PSD, Resample, Digital Filters, (Butterworth, Chebyshev, Inverse Chebyshev Bessel, Elliptic, User Defined), Average FFT, Reverse FFT
CHANNEL PROCESSES Mathematical Expressions, Baseline Correction, Peak Detection, Template Application	GENERAL STATISTICS Max/ Min, Arithmetic Average, RMS, Standard Deviation, Variance, Median, Mode, Addition, Custosis, Skewness, Crest	FATIGUE ANALYSIS MODULE (OPTIONAL) Analysis packages special to the User/ Project

*The existing analysis possibilities are listed. New analysis types are added by continuous software development. All users who obtain the software could benefit from new additions and updates without paying any additional fee.

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