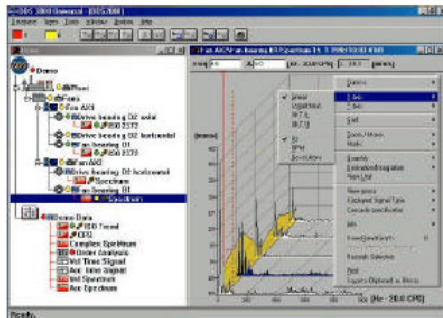
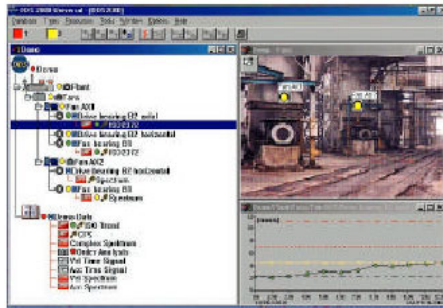


NRS-DDS2000 Data Acquisition Software



The **NRS DDS 2000** software system represents a powerful tool for storage and evaluation of vibration and technical diagnostics data. It allows the user to connect and work with data collected by both portable data collectors and on-line systems and includes all the functions necessary for data transfer, evaluation, analysis and data storage. By using standard Windows technologies, the program operation is very simple and clear.

The common database is a unique feature of the **DDS 2000**. Optional instrument interfaces allow the user to connect portable and on-line measuring instruments supplied by National Reliability Systems to a single database system. This feature saves money and time. The database of the **DDS 2000** system uses SQL and ODBC standards to process data. It is an open system, which can receive and send information to other information systems. The **DDS 2000** system fulfills all network operation requirements, allowing several users to access a database simultaneously.

The **DDS 2000** system conception is modular, allowing the user to select a configuration, which corresponds to their needs. The **DDS Pro** system offers all the tools necessary for the analysis of frequency and time signals. The **DDS Pro Plus** is the DDS Pro system extended with additional modules. Modules available include: antifriction bearings, gearbox and electric motors diagnostics.

Basic requirements of the DDS 2000 include output reports, data communication, fast processing of output messages and reports. A built-in report generator includes charts and photographs, and enables a fast and efficient communication with the other departments. Data may be printed or exported to an electronic file, for use with National Remote Diagnostics.

Application:

- Diagnostic software for portable and online monitoring and security systems
- Software for NRS A4300-VA3 portable devices
- Software for NRS A3600 on-line monitoring systems
- Current display of measured data for control sites

Characteristics:

- Single database system for data collection (portable and on-line systems)
- Enables the transfer, evaluation, analysis and archiving of diagnostics data
- Modules for the diagnostics of bearings, transmission gears, electrical engines available
- Network Installable
- Enables SQL and ODBC standards for data administration
- Tools - band graphs, report book, schemes, reports, data reduction, local setting of program
- Database tree - fast view of data, graphic artwork support, indications for: total number of warnings and dangerous alarms, machine status, measurement schedule, new data, graphics
- Static data - static data (real or complex, process values: temperature, pressure, RPM, load, etc.), global-data view, global-data editing, trends (Fast View, warning levels: real and complex (amplitude and phase), absolute and relative warning levels), 4 levels for each type: absolute or relative, over and under alarm setting, global setting of warning and alarm levels
- Static Data Graphs - single or delta cursor, grids, view of levels, marks, zoom, move (dynamic or manual), automatic or fixed scaling, over trend view, edit data function
- Spectra Graphs - cursor (single, harmonic, side-band, delta, delta max, band, trend), x axis (lin, log, Hz, RPM, orders), y axis (lin, log, auto or fixed scaling, grid, zoom), move (dynamic or manual, auto or fixed scaling), marks (measurement type (acceleration, velocity, displacement), derivation and integration of signal), view (amplitude, phase, real/imag, trend, polar trend, waterfall diagram, process values), edit data function
- Time Waveform Graphs - single or delta cursor, y axis (auto or fixed scaling), grid, zoom, move (dynamic or manual, automatic or fixed scaling), marks (local maximum, selection of unit of measure), view (amplitude, orbits), edit data function
- Orders Graphs - order cursor, y axis (auto or fixed scaling, grid, zoom), move (dynamic or manual, automatic or fixed scaling, selection of measurement unit), view (amplitude, phase, real/imaginary, trend, polar trend, waterfall, process values), edit data function
- Installation on CD ROM
- Minimum system requirements: Intel® Pentium® 200 MHz or compatible, CD ROM, 64 MB RAM, 20 MB hard disk space, SVGA or higher resolution monitor (min. 800x600, 256 color)
- Microsoft® Windows® 98, NT, 2000, XP