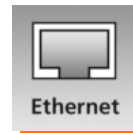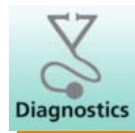**ifm electronic**

New parameter software with data visualisation

Software for diagnostic electronics type VSE and vibration sensors VN

- **Visualisation of measurement data in different diagramme types**
- **Comparison of measurement values from different sources in one diagramme**
- **Visualisation of raw data resulting from the VSE dynamic channels**
- **Integrated wizard function for the creation of parameter sets**
- **Structured administration of units and data as a tree structure**

Diagnostics   **Ethernet**

Parameter setting

The new parameter software VES004 is used to set the parameters for diagnostic electronics type VSE. With the software it is possible to create a tree structure into which the units and sensors are integrated. The user can then see his own familiar structure with regards to production sites, and machines and components.

The software contains wizard functions to simplify creating parameter sets for vibration and process monitoring. It is therefore possible to set up and define simple monitoring with practically no previous expert knowledge. Data administration such as parameter sets, measurement data, recordings and history files is carried out according to the pre-defined project tree structure.

Condition monitoring systems
Vibration monitoring systems

ifm electronic

The products

Type	Description	Order no.
	Parameter software	**VES004**
	octavis OPC server software German / English	**VOS001**
	Diagnostic electronics for vibration sensors type VSA / VSP, cabinet mounting; frequency selective machine monitoring of up to 4 measurement points; Ethernet interface TCP/IP, on-board time-stamped history function, 2 switching outputs or 1 switching and 1 analogue output, 8 further freely configurable I/O, counter function	**VSE100**
	Connection cable Ethernet cross-over patch cable 2 m, PVC cable, RJ45 plug / RJ45 plug	**EC2080**

Visualisation (monitoring)

Different types of diagrammes are available for visualising measurement values (column, tabular and x-y diagrammes). The configuration of axes, scaling and data sources is very flexible. For example for the x-y diagrammes (such as history data or object measurement values) it is possible to define several y-axes. You are then able to easily compare the measurement values of different sources (sensors) with different physical units or scaling in one diagramme. The diagnostic electronic type VSE can access all stages of the measurement chain from the time signal (raw data) to the frequency spectrum right through to the object values and alarm display in order to visualise the measurement values.

The visualisation of the frequency spectrum contains several signal analysis tools. For example measurement lines or tools for order, harmonics and side-band analysis. The measurement values can be recorded and stored in the software as well as recalled and exported.
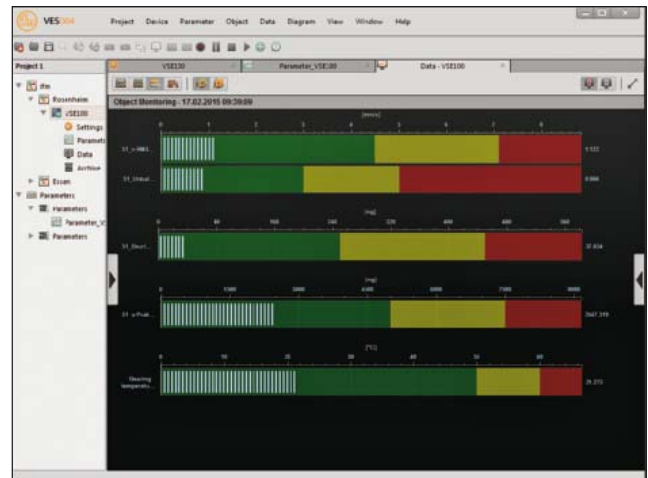
Firmware update

With the VES004 it is also possible to update the VSE firmware. The software checks if the chosen firmware is compatible with the unit connected and thus prevents the use of an incorrect version.
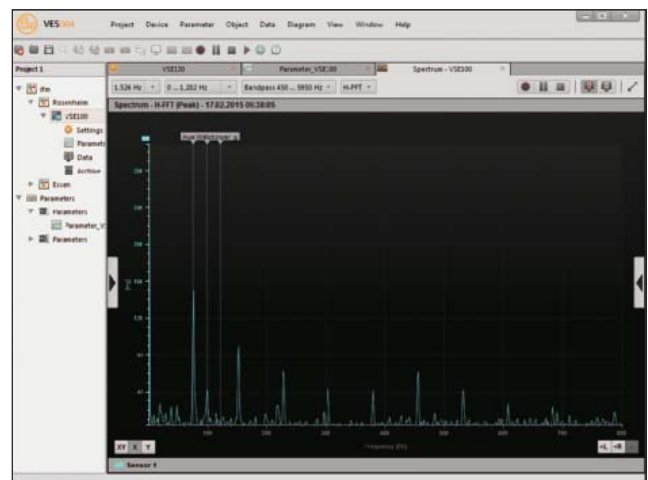
System requirements

Windows XP (basic functions), Windows 7, Windows 8.1
Minimum resolution 1024 x 768 pixel
256 MB RAM

Object visualisation

Visualisation of the frequency spectrum

Visualisation of raw data monitoring

ifm – close to you!

For further technical data please go to: www.ifm.com