

Quick User Guide for the **NANOCOLOR[®] UV/VIS** Software

1 Installation

System requirements: Windows XP or later, **Microsoft.net-Framework V 2.0** (on the DVD in the directory *Framework_2.0*), Microsoft Office 2000/2003 or Open Office 2.2.1, VGA resolution 1024 * 768 pixels, free serial RS-232 or USB port.

To install the **NANOCOLOR[®] UV/VIS** Software on the DVD in the directory "Photometer PC Software", select and run "Setup". By default, the software will be installed in the program directory of your computer (usually *c:\Programs*) in the sub-directory *MACHEREY-NAGEL\NANOCOLOR_UVVIS*.

To control the **NANOCOLOR[®] UV/VIS** Photometer via the USB ports, the PC will require two driver files. Where necessary, these files may be installed from the DVD according to Windows instructions.

2 Measuring data options

2.1 Photometer memory



Reading out the photometer memory, transferring data from the photometer to the PC

2.2 Exporting measuring data

To export the data, the data records may be sorted according to relevant parameters using "Separate data by", and then subsequently be exported:



Export as Excel file



Export in database format



Export in text format



Export in OpenOffice format

The exported data may be saved anywhere on your computer.

2.3 Carrying out measurements online



Subsequent to inputting all data relevant to the measured value, the measured data is transferred to the PC via the photometer display when the cuvette is removed.

2.4 Developing methods (calibrating special methods)



Measured values: entry of concentrations and test data (wavelength, cuvette, unit); absorbance measurement with measured values being directly transferred into table.



Calculate data, and carry out any necessary curve smoothing.



Save method in the photometer.

3.0 Special methods



Method management in the PC database and photometer with facility for setting up and exchanging methods.

4.0 Scan Options



Start a scan.



Save recorded scan.



Open recorded scan.

Various options for editing scans:



Scan analyses - integration/peak search.



Set zero-line.

Further options for editing scans are available. The various icons are displayed in the lower section of the window, and the function is explained briefly when the cursor is placed on the icon.

5.0 System options

Measuring and Testing Equipment Monitoring (in accordance with Worksheet DWA-A 704, IQC Card-9)



Settings

Tests for checking:



performance of halogen and deuterium lamp



wavelength accuracy



light scattering



photometric accuracy

(using *NANOCONTROL NANOCHECK*, Cat. No. 925701)

All icon commands shown may also be run via the *Nanocolor*[®] menu list.