

# Vision Air



Vis-NIR Analysis straightforward, reliable, and convenient



## Vision Air – straightforward, reliable, convenient

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Vision Air is a modern, intuitive and easy-to-use software solution for routine Vis-NIR analysis and quality assurance. Vision Air is divided into two dedicated parts.

While «Vision Air Routine» puts a focus on the needs of routine users, «Vision Air Manager» provides administrative functions to meet the requirements of laboratory and division managers.

### Vision Air Routine – Vis-NIR analysis for everyone

- **Intuitive user guidance**

- Obtain measurement results in two simple steps
- No training or expertise required

- **Focus on the essentials**

- User interface focused on the most important functions
- Perform and evaluate measurements fast and reliably

- **Clear results**

- Straightforward presentation of measurement results
- Read results at a glance

### Vision Air Manager – centralized instrument and data management

- **Straightforward data management**

- All instrument and measurement results are available for viewing at any time
- Fast and effective troubleshooting and process optimization

- **Great reliability**

- Measurement results are saved both locally and on a server
- Data is protected from loss and is always available

- **Powerful networking**

- Client-server configuration allows centralized instrument management
- Fast and easy synchronization of quality standards

# Vision Air Routine – results in two clicks

Vision Air Routine is the most simple way to do routine analysis. Select the sample and start the analysis – that is all it takes to perform a precise measurement with Vision Air Routine.







The quality of the result can be evaluated immediately after the measurement and is supported by a simple color code. No training is required.

## Results in two clicks – simple, intuitive

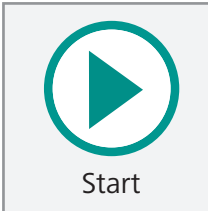
Clearly structured user interface to select the right operating procedure

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**Operating procedure**

 Ident. solvent	 Ident. raw material	 Ident. polymer
 Quant. water in EtOH	 Quant. Ibuprofen	 Quant. molecular weight











2



Start

Clear presentation of the results for fast analysis

**Result**

					Time	Sample number	Operating procedure	Water conc. [%]
					08/11/2015 16:36	Sample-020	Quant. of water in EtOH	4.03

**Sample event**  
Water conc. 4.03 is above action limit: 2.00

## Vision Air Routine – focus on the essentials

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Five buttons provide direct and convenient access to important information. The functions assigned to the buttons are obvious. Even users with no previous knowledge

can quickly familiarize themselves with the software and perform accurate measurements and evaluate the results.



Results

- Presentation of the current measurement result
- Icons and markings highlight important events



Result list

- Result overview of one operating procedure
- Tables show the measurement history



Trend

- Visualization of measurement results in progression charts
- Trend progressions of various parameters simplify interpretation



Sample details

- Presentation of results with additional information
- Audit trails for traceable quality management



Tools

- Access to different reports and instrument information
- Remote support for real time assistance

# Clear results, superior usability

Vision Air supports you with a clear presentation of the measurement results in graphics and tables. Measurement results and hardware functions are documented in reports and can be saved manually or automatically.

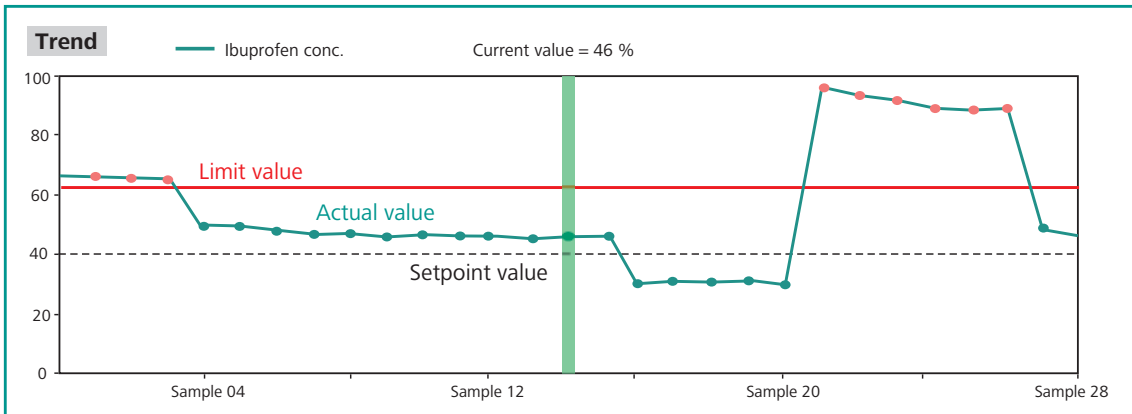
Due to the integrated remote function, you can call up support at any time and get your questions answered in real time.

## Tables for a fast overview highlighting important results

**Sample list**

Time	Sample number	Operating procedure	H <sub>2</sub> O [%]
10/03/15 14:49	Tablet 008	Water conc. [%]	15.23
10/03/15 14:47	Tablet 007	Water conc. [%]	02.14
10/03/15 14:42	Tablet 006	Water conc. [%]	03.11
10/03/15 14:39	Tablet 005	Water conc. [%]	01.95
10/03/15 14:35	Tablet 003	Water conc. [%]	08.50
10/03/15 14:33	Tablet 002	Water conc. [%]	08.10

## Trend graphs facilitate straightforward interpretation



## Report options simplify documentation

**Report**

- Instrument check-samples 5 days (PDF)
- Instrument diagnostics (PDF)
- Instrument group audit event 30 days (PDF)
- Instrument operating procedure (PDF)
- Sample detail (PDF)
- Sample list (landscape) (PDF)

Print View Save

## Remote support for instant troubleshooting

**Support**

Permit remote control

Your ID 800 367 407

Password 6407

Ready to connect

# Straightforward data management

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Vision Air Manager comes with a clearly structured user interface. Three clearly defined task areas make it easy to control any spectrometers installed. Calibration models can be optimized in a graphic environment during operation in just a few steps.

**Settings for routine use**

- Operation procedures
- Prediction models
- Parameter profiles
- Methods

**Instruments and settings overview**

- Instruments
- NRUE
- NIRS DS2500
  - Development
  - DS2500 1
  - DS2500 2

**Role assignment and control properties**

- Users
- Update session
- Surveillance

## Surveillance with the filter function for a clear overview of results

**Surveillance**

Time period analyzed: Today and the last  Days

From:   Until:

Type of event: All Errors Warning Information and Audit

Time stamp	Message	Note
9/21/2015 16:00	Vision Air has successfully created the Build signature 008C-42BE	
9/21/2015 12:10	Measurement has been canceled	
9/16/2015 08:07	Instrument diagnostics has been canceled	Please start instrument diagnostics

## Straightforward adjustment of prediction models

**Slope/Intercept adjustment**

Sample	Raw data Prediction	Raw data Referenc	Residual
Tablet 01	3.43	3.40	0.03
Tablet 02	5.21	5.25	0.04
Tablet 03	3.81	3.80	0.01
Tablet 04	4.14	4.20	0.06
Tablet 05	3.96	4.00	0.04

Important numbers

	Current	Suggested
Slope	1.15	1.10
Intercept	0.26	0.19

Graph Axes

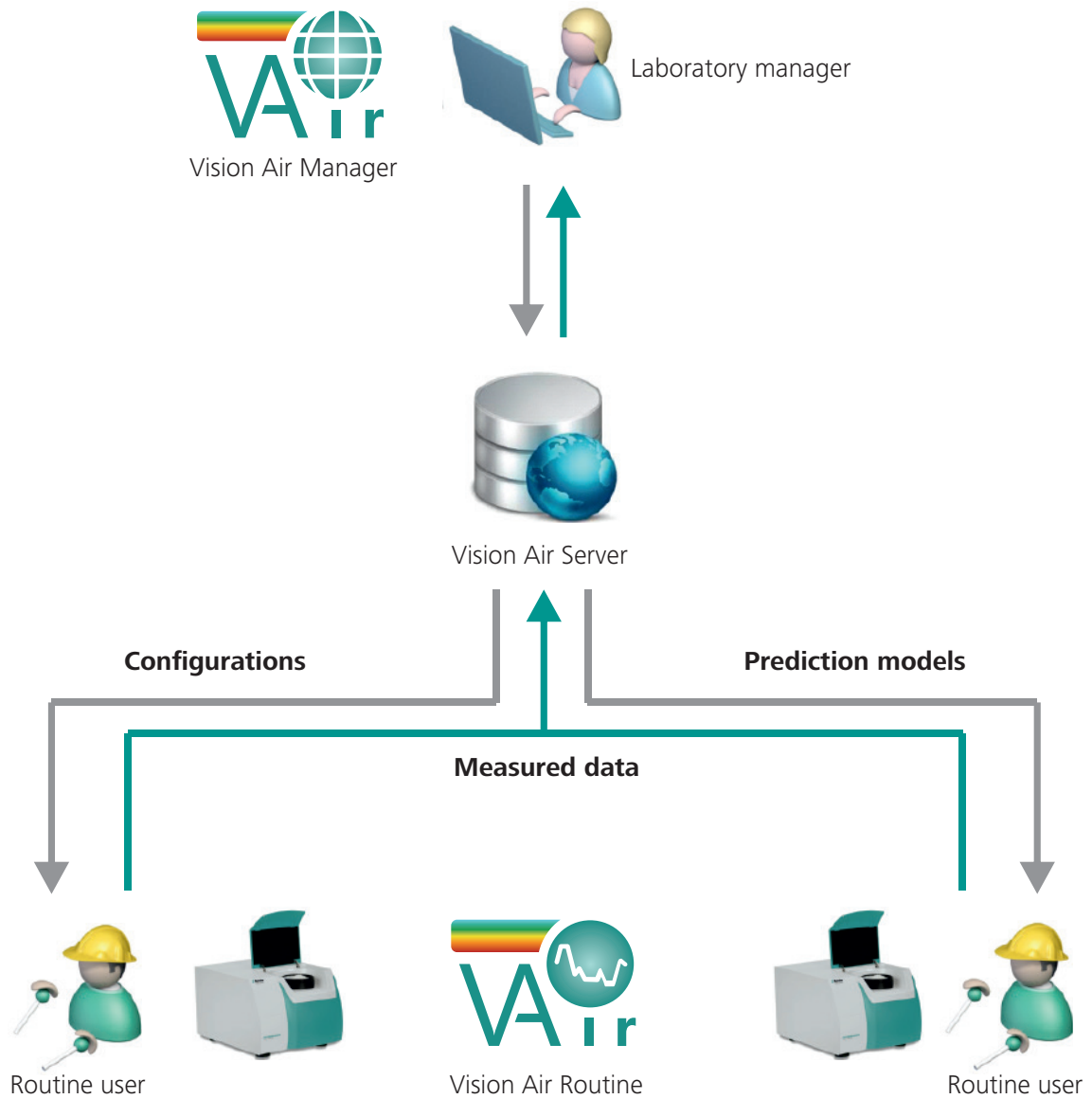
- Raw data prediction on X
- Raw data reference on X
- Residual Chart

# Vision Air Manager – powerful networking, great reliability

Vision Air enables network collaboration. The combination of Vision Air with Vision Air Server allows connecting any number of spectrometers in a network. Moreover, storing results and data on a server increases security and

enables centralized data management.

In this client-server setup, authorized personnel can be given access to all results at any time and from anywhere.



### User benefits of Vision Air Manager

- Permanent control of operation procedures
- Simple setting of parameters for all instruments
- Straightforward synchronization of quality standards

### User benefits of Vision Air Routine

- No knowledge of chemometrics required
- No need to be calibrate instruments
- User can focus 100% on his measurements

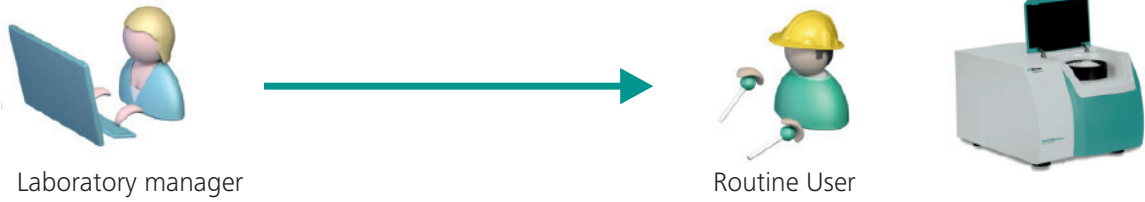
# Vision Air – versions to suit every need

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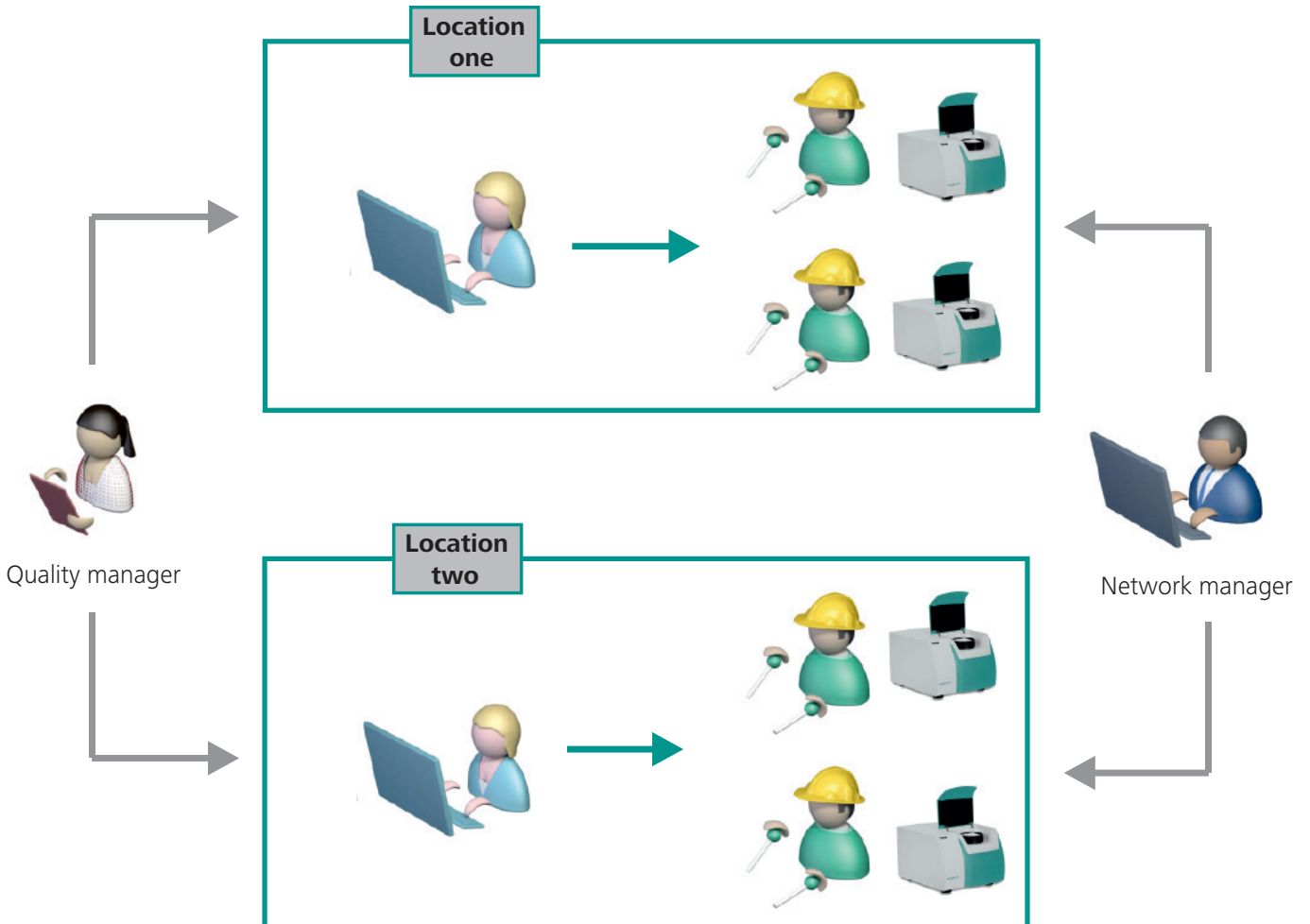
Vision Air is available in two versions: Vision Air Local and Vision Air Network. Vision Air Local includes all the necessary routine applications as well as numerous management functions and enables the control of one Vis-NIR spectrometer.

In contrast to Vision Air Local, Vision Air Network enables users to control and configure any number of spectrometers. All data produced can be saved automatically, both locally and globally.

## Vision Air Local



## Vision Air Network







## System requirements

### Vision Air

<b>Operating system</b>	Windows 7 SP1, 64 bit or 32 bit, Windows 8/8.1
<b>Processor</b>	Dual Core 2.8 GHz
<b>RAM</b>	4 GB
<b>Hard drive size</b>	10 GB of free storage capacity is recommended
<b>Peripheral devices</b>	Mouse, keyboard, DVD drive

Compatible with NIRS DS2500 Analyzer and NIRS XDS RapidLiquid Analyzer

### Vision Air Server

<b>Operating system</b>	Windows Server 2008 R2 Full Edition, 64 or 32 bit
<b>Processor</b>	Dual Core 2.0 GHz
<b>RAM</b>	8 GB
<b>Hard drive size</b>	80 GB of free storage capacity is recommended
<b>Data line</b>	100 Mbit Ethernet interface
<b>Database server</b>	Microsoft SQL Server 2008 R2, Microsoft SQL Server 2012



## Ordering information

- 6.6072.111      **Vision Air Local – non Pharma**  
Includes Vision Air Routine and Manager.  
Can be combined with Vision Air Network.
- 6.6072.112      **Vision Air Network – non Pharma**  
Includes Vision Air Routine and Manager.  
Is used to control and check several instruments.  
Requires Vision Air Server to get started.
- 6.6072.113      **Vision Air Server – non Pharma**  
Is required for Vision Air Network to get started.  
Allows worldwide access to data and configurations.
- 6.6072.118      **Vision + Vision Air Local Bundle**
- 6.6072.119      **Vision + Vision Air Network Bundle**



## Regular updates!

Vision Air is available in English or German. More languages are continuously added.

With Vision Air you benefit from any new releases of our software keeping you always at the forefront of spectroscopy analysis.

Prediction models created in Vision can be imported directly into Vision Air.



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