VisuNet BASE / COMFORT / PREMIUM

Programming installations and processes, automatic control, monitoring, recording and filing according to HACCP / IFS

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CONTROLS for FOODTECHNOLOGY

» OVERVIEW

The software package works under Windows and is self-explanatory. That means:

- ✔ **Easy networking** of all **aditec** controllers with one central computer or server

- ✔ **Easy installation** via download link with detailed installation instructions

- ✔ **Easy of operation,** no previous experience needed

- ✔ **Clear display** of all actual and nominal values, as well as of the operation status of individual units

- ✔ **Trend charts of all** actual and nominal values with corresponding product line and processes (presented as a diagram or table) an a scalable time axis

- ✔ **Zoom function**

- ✔ **Process list** - Synoptical table of all actual and nominal values with product types and treatment types (process names), batch number and administrator names

- ✔ **Filing** of all data by means of a programmable time interval of up to 10 years (the time interval can be adjusted)

- ✔ **Alarm lists**

- ✔ **Trend graph diagram of all actual values** in a programme with names and processes

- ✔ **Changes can be made to the output interval times** of all process measurements

- ✔ **Batch number entry possible**

- ✔ **Remote-programmable via VisuNet:** configuring a programme, editing and transmitting via PC

- ✔ **Remote-controlled units**, starting/stopping via PC

- ✔ **Free service programme** from Windows 8 or Server 2012 R2

- ✔ **Free demonstrations, without any obligation**

- ✔ **Printing of self-designed documents** (protocols, labels, etc.) at the end of the program

- ✔ **Automatic generation of batch numbers at the end of the program** with option to print out barcode labels

- ✔ **Using a barcode scanner** for selection of the plant, scanning of the batch number and program start via scanner

- ✔ **Using customer logo**

Customer-specific requests can also be realized. Please, ask us!

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» FEATURES

- ✔ **Limitlessly upgradable** through Ethernet/LAN

- ✔ **Different networks can be integrated:** LAN, Ethernet, RS 485 and more...

- ✔ **Detailed databank back-up** with planning and administration

- ✔ **Administrator allocation / user rights**

- ✔ **Programming and remote PC-output** via network or Internet

- ✔ **Remote controlling / telecontrol engineering** with aditec-control and integrated remote maintenance assistance

- ✔ **Exporting data** to MS-Excel and CSV-format

- ✔ **Characteristic curve:** Improved "zooming". Temperatures, vacuum, pressure and/or the time scale of each installation can be adjusted.

- ✔ **Transmission of alarms via SMS or Email** Schedules can be created. It is possible to send SMS via Modem or Internet.

- ✔ **Automatic time alignment** between the controller and PC

- ✔ **Multi-user capability (Client/Server)** with VisuNet PREMIUM (combinable with BASE or COMFORT) Each license = 3 workstations at the same time.

- ✔ **Acquisition of operating data** is also possible, depending on controller. Several consumers can be recorded and the costs may be calculated.

- ✔ **Transmission of data to a higher level ERP-System** by SQL interface

- ✔ **Level BASE or COMFORT** can be individually chosen for each unit and also for subsequent activation or upgrade

- ✔ **Event indication** with automatic assignment between created and processed program/process

  ...and more. Please ask us!

» REQUIREMENTS FOR INSTALLATION OF VISUNET

- ✔ **PC/Server with min. Intel Core i3 or comparable CPU, min. 4 GB, recommended 8 GB RAM, SSD hard disks are recommended** With virtual machines, there can be a loss of performance when accessing databases.

- ✔ **Operating system:** from Windows 8 or Server 2012 R2 (64 bit)

- ✔ **Min. 15" colour monitor, min. resolution 1024 x 720**

- ✔ **Colour printer**

- ✔ **Data network: RS 485 / USB or Ethernet / LAN**

VisuNet BASE / COMFORT / PREMIUM

Programming installations and processes, automatic control,
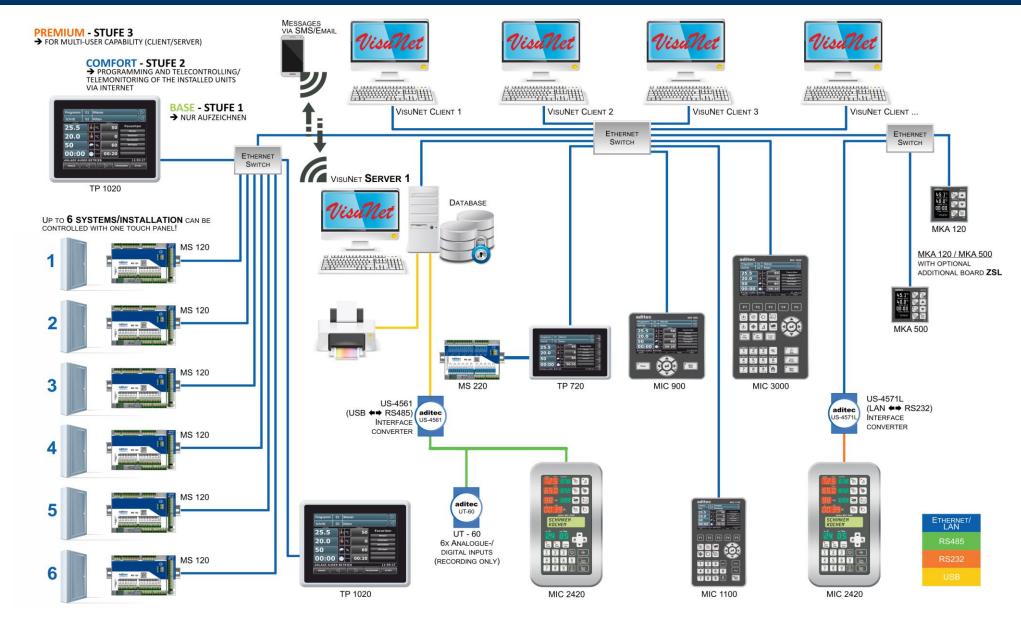monitoring, recording and filing according to HACCP / IFS

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VisuNet Feature Matrix

FUNKTION	BASE	COMFORT	PREMIUM
Overview of the current plant state (live view)	●	●	
Recording of completed programs and processes, also when VisuNet is switched-off[1]	●	●	
Import programs (which has been recorded with the aditec data logger kit DLK-1) in the data base	●	●	
Import programs from the control[1]	●	●	
Setting and recording of temperature limits, alarms and operating conditions[1]	●	●	
Writing programs with adjustable intervals into the data base	●	●	
Printout of graph line/measurements or automatic printout of the graph line at the program end	●	●	
Comfortable search of already recorded programs in the data base (via filter function)	●	●	
Diagrams (graph line) can be set individual (zoom, section, display, temperature and time areas)	●	●	
Data alignment with the control[1]	●	●	
Manual or adjustable, automatic time alignment with the control[1]	●	●	
Using different networks and interfaces for accessing the control systems	●	●	
Individual request time for each control	●	●	
Saving/ resaving the data base	●	●	
Compiling/ configuring and changing programs[1]		●	
Copying, adding and deleting programs[1]		●	
Sending programs to the control system[1]		●	
Direct connection to aditec TP1xxx surfaces		●	
Start and stop programs via aditec VisuNet[1]		●	
Export recorded programs from the data base		●	
Export data to a higher-level system (ERP system)[1]		●	
Recording and visualization of relays and digital inputs into a graph line[2]		●	
Changing nominal values und skipping steps while in operation via aditec VisuNet[1]		●	
Changing the batch number in the data base		●	
Export the measurement values into Microsoft Excel respectively to CSV format		●	
Administrator management and recording via aditec VisuNet[1]		●	
Alarm notifications via SMS und Email[1]		●	
Telecontrolling / telemonitoring via aditec-control[1]		●	
Production data acquisition for the calculation of energy costs[1]		●	
Recording/listing of events regarding program sequence			
Multi-user capability (Client/Server). Several companies via Internet (VPN). Each licence = 3 workstations at the same time.			●
Programming / operating the unit from all workstations, User rights within VisuNet			●
Use of barcode scanner for unit identification, scanning of batch numbers and starting programmes.			●

PREMIUM: Can only be combined with VisuNet BASE or COMFORT

[1] Functions are device-dependent

[2] Only ADBus devices

VisuNet BASE / COMFORT / PREMIUM
Networking example

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PREMIUM - STUFE 3
➜ FOR MULTI-USER CAPABILITY (CLIENT/SERVER)

COMFORT - STUFE 2
➜ PROGRAMMING AND TELECONTROLLING/ TELEMONITORING OF THE INSTALLED UNITS VIA INTERNET

BASE - STUFE 1
➜ NUR AUFZEICHNEN

MESSAGES VIA SMS/EMAIL

TP 1020

UP TO **6** SYSTEMS/INSTALLATION CAN BE CONTROLLED WITH ONE TOUCH PANEL!

ETHERNET SWITCH

VisuNet CLIENT 1
VisuNet CLIENT 2
VisuNet CLIENT 3
VisuNet CLIENT ...

ETHERNET SWITCH

ETHERNET SWITCH

VisuNet SERVER 1

DATABASE

MKA 120

MKA 120 / MKA 500
WITH OPTIONAL ADDITIONAL BOARD **ZSL**

MKA 500

1 MS 120
2 MS 120
3 MS 120
4 MS 120
5 MS 120
6 MS 120

MS 220

TP 720

MIC 900

MIC 3000

US-4561
(USB ⬌ RS485)
INTERFACE CONVERTER

aditec US-4561

aditec US-4571L

US-4571L
(LAN ⬌ RS232)
INTERFACE CONVERTER

TP 1020

aditec UT-60

UT - 60
6X ANALOGUE-/ DIGITAL INPUTS (RECORDING ONLY)

MIC 2420

MIC 1100

MIC 2420

ETHERNET/ LAN
RS485
RS232
USB

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