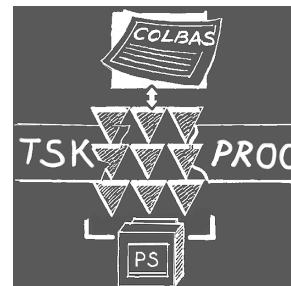


VISIONIK®

New VISOTOOL Editor

Function sheet

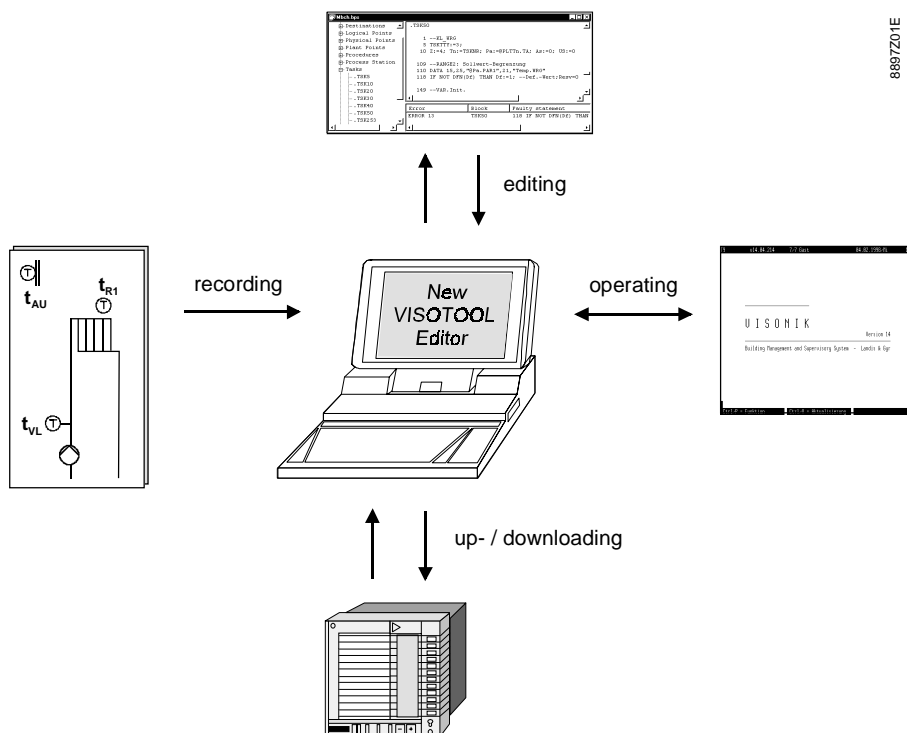


The "New VISOTOOL Editor" is a PC software tool providing multiple communications and editing options. It is used by project engineers and service technicians in VISIONIK systems:

- To program, commission, and operate process stations
- As a terminal emulator to operate Data and Communication Servers

Use

The illustration below shows an overview of the applications functions available in the "New VISOTOOL Editor":

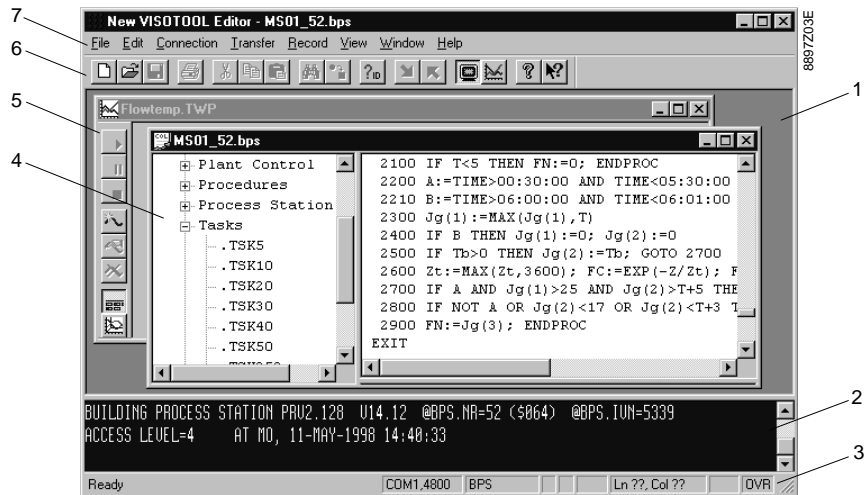


The above functions allow for:

- Comfortable editing of COLBAS documents
- Operation of process stations and Data and Communication Servers
- Uploading and downloading of data from and to the process stations
- Recording trend data from the building services plants

Application window

The picture below shows the "New VISOTOOL Editor" application window featuring typical settings:



Sections of the application window

The above shown sections of the application window are:

Pos.	Designation	Interpretation
1	Working area	All documents opened in a session are visible in the working area.
2	Terminal Emulator	The terminal emulator stands for a connection to the respective partner.
3	Status bar	The status bar contains information on operation (left) and connection status (right).
4	COLBAS documents	The above illustration contains two open documents in the working area. Of the two documents, the COLBAS document is active.
5	Trend window	Document for recordings (own buttons)
6	Toolbar	The toolbar symbols enable use of commonly used functions by clicking them with the mouse.
7	Menu bar	The menu bar contains the available menus for the respectively active window.

Terminal Emulator

The Terminal Emulator is used for online communication with the desired partner station as soon as a connection has successfully been established. The terminal settings are made automatically by the "New VISOTOOL Editor" in accordance with the identified partner station.

The following picture shows a variant with editing bar which is especially suited to communication with process stations. This allows you to easily:

- Repeat operating commands
- Edit COLBAS programs line by line.

```

10 Z:=4; Tn:=TSKNR; Pa:=@PLTn.TA; As:=0; US:=0; Resu:=0; Q1:=0
11 Q2:=0
109 --RANGE2: Sollwert-Begrenzung
111 DATA 15,26,"@Pa.PAR2",22,"ABL-Kuehlen.(SPC)"
112 DATA 10,50,"@Pa.PAR5",30,"Min.AUL-Klappe.(M)"
113 DATA 40,75,"@Pa.PAR8",50,"Feuchte.(M)"
118 IF NOT OFN(Of) THEN Of:=1; --Def.-Wert
120 YK1:=0; YK:=1;

```

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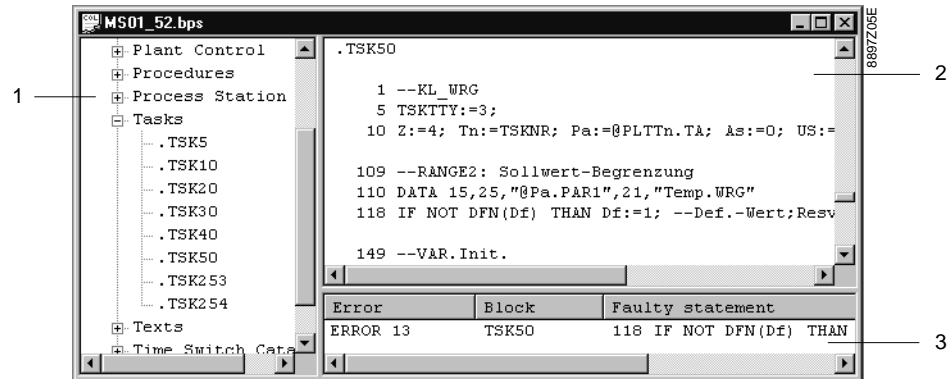
Further modes are: "Last Commands" and "Normal VT Keys". The latter command supports standard terminal commands and is activated e.g. for communication with the VISONIK DCS.

COLBAS Editor

The COLBAS Editor is a plain text editor enhanced by communication functions. The COLBAS Editor allows for:

- Creating new documents
- Loading and editing existing documents
- Downloading and uploading information (from and to documents)

The following picture shows an open document window:



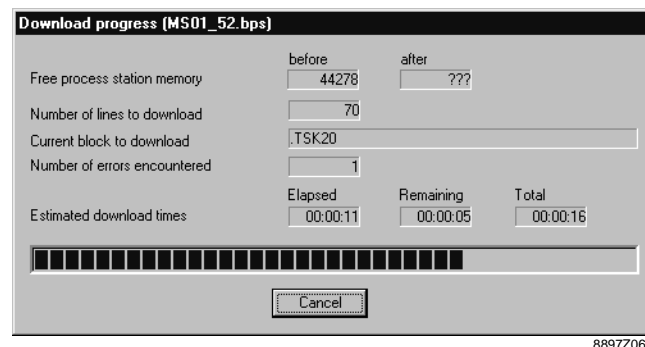
One window — three views

These are the designations and functions of the three views:

Pos.	Designation	Functions
1	Contents display	The program automatically creates the Contents display. It analyses the open document (points, procedures, tasks, etc.) and displays related data in the form of a block . The blocks, when hierarchically structured, form the folder tree.
2	Text Editor	The Text Editor allows for general editing tasks: Cut, copy, paste (same or different document), drag & drop, search and replace, and provides context-sensitive help.
3	Error display	The Error display lists all known errors that occurred during downloading or uploading. You can directly switch to the corresponding code block or request context-sensitive help from any one of the displayed errors.

Downloading and uploading

The "Transfer" menu in the application window through documents in the COLBAS Editor allows for conducting a multitude of uploads and downloads—both predefined and selected ones.



After selecting the data transfer, a status display box provides information on the progress of a task as shown in the above picture for downloading block "TSK 20".

Trend function

The "New VISOTOOL Editor" Trend function fulfils the following purposes:

- Dynamic recording of process values from building services plants
- Graphic display of the recorded values for a desired range

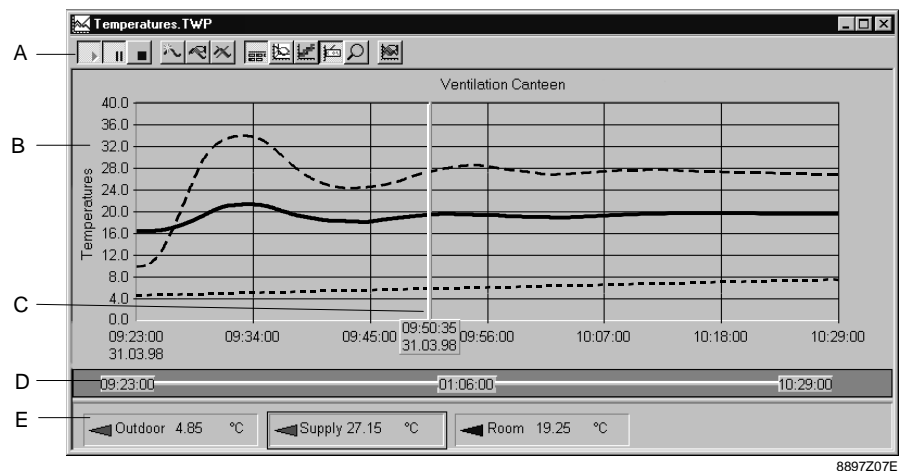
Features of the Trend function

The following are features of the Trend function:

- The function is **online**, i.e., recording only occurs when the Trend window is active (foreground or background)
- Only **one** Trend window can be open per "New VISOTOOL Editor"
- **10 values** can be recorded per Trend window
- Each value is displayed with its recording time (PC clock)
- The recorded values must be copied or printed prior to closing the Trend window; if not, the values will be lost.
- The Trend function can only be used when a process station is the partner

The Trend window

The picture below shows a Trend window with recorded data:



Individual sections in the Trend window

These are the above numbered sections of the Trend window and their respective function:

Section	Designation	Function
A	Toolbar	The most important commands can directly be executed by clicking the buttons (mouse operation).
B	Recording section	This is where the values defined are recorded online. The curve display can be adjusted individually: Colours, pattern, lines, dots, etc.
C	Time bar	The time bar can be displayed. The date and time of the respective location are displayed at the bottom of the time bar. The legend (E) contains the associated values for each curve.
D	Range ruler	The range ruler allows for changing the displayed part of the recording section with respect to time.
E	Legend	The Legend contains a field for each curve. The fields comprise the name, current value and the unit. The legend is also used for selecting curves.

Printing and copying recordings

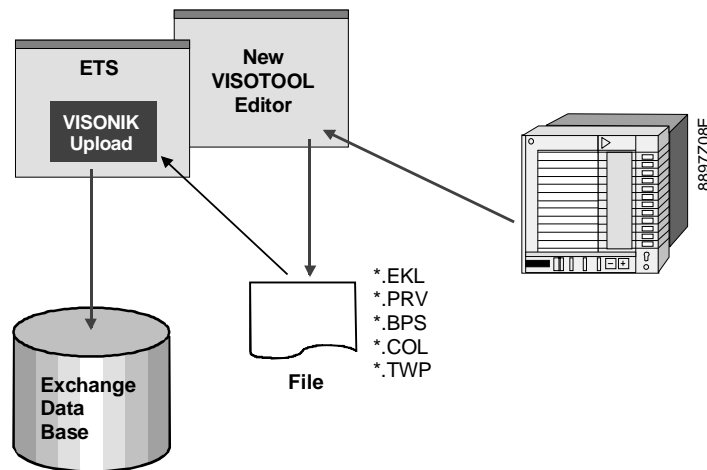
For printing and processing the recorded values, the following options are available:

- Directly print the Trend window
- Copy, process and save the Trend window to another applications such as Microsoft Word or Excel

The contents may be copied in the form of images (bitmap) or text (number values).

Interaction with other tools

The "New VISOTOOL Editor" interacts with other tools by means of a file exchange. On the one hand, engineering data is downloaded to the process station using the "New VISOTOOL Editor". On the other hand, the commissioning results or project data changes must be reloaded. This process is shown in the example below:



Explanations (illustration)

These are the elements and their functions on reloading project data:

Element	Function
New VISOTOOL Editor	Via the "Upload" menu in the "New VISOTOOL Editor", the desired data is transferred from the PC to the process station (here: BPS).
File	The uploaded data is saved as a file with the associated station name and file type in the "New VISOTOOL Editor". All VISONIK data types such as *.EKL, *.PRV, *.BPS, etc. are supported.
ETS VISONIK Upload	The "VISONIK Upload" tool from the European Tool Set is used to transfer the file and save it in the Exchange Database.
Exchange Database	A common, open database for exchanging data among the various tools of the European Tool Set.

Help

The "New VISOTOOL Editor" provides extensive and easy-to-use online help. This help comprises the following documents in the form of a Windows help system:

- User's Guide "New VISOTOOL Editor"
- COLBAS Error/Diagnostic Messages
- VISONIK Point Types and Parameters
- COLBAS Language Description

The online help of the "New VISOTOOL Editor" can be opened as follows:

- Via the Help menu, the Contents, Index, and Find tabs
- Context-sensitive help, i.e., by pressing F1 or clicking the mouse on a specific element, such as a highlighted word or menu item

The above help files are copied to the hard drive on standard installation of the "New VISOTOOL Editor".

The User's Guide can be ordered under document number CM2B8361E.