MeteoWare „CS" - „Client-Server"

The meteorological evaluation software

The advantages in a network

- CS = Client - Server - System
  - Improved handling of the access authorisation in a LAN
    Increased safety in the LAN
  - Less network traffic through CS application and data compression

- „Floating-Licence" in the LAN
  - Software installation on an unlimited number of computers
  - Only the number of licences influences the number of users, who have access simultaneous
  - Licence server runs as Windows service

- Data base as CS application
  - All data are changing as compressed TCP/IP packets
  - Data base server runs as Windows service

- Data recall server (option) in the network
  - Data from up to 20 single stations can be recalled simultaneous (multi-threading)
  - Allocation of the instantaneous values in the LAN per TCP/ IP packets with compressed contents (client-server)
  - Instantaneous value of all recalled stations can be displayed simultaneous on screen
  - The data recall runs permanently, but not as front program, because it runs as Windows service !
  - Lowest CPU load

Further news

- Improved operation - when the software settings are finished, further evaluations or operation steps can be carried out by mouse clicks, without keyboard!

- An electronic calendar is available for selection of the evaluation periods - no time-consuming typing any more!

- User specific evaluations and tables can be created, which can be shown on a screen and also exported as ASCII (CSV)!

- The export function is optimized through minimizing of keyboard use and different default settings!

- For graphic evaluations (diagrams) the colours of the parameters can be chosen individually!

Application fields and users

- The software is usable for all weather stations, both single and network stations, with data loggers TROPOS and SYNMET and even QUATRO, FMA 186 (but without SQL-interface) or ADLAS II (but only single station).

- For stations with operating systems Win 2000 and Win XP

  - Weather Services and Environmental Offices
  - Industrial and power plants
  - Sewage treatment plants and dumpsites
  - Airports and airfields
  - Sport- and amusement parks and hotels
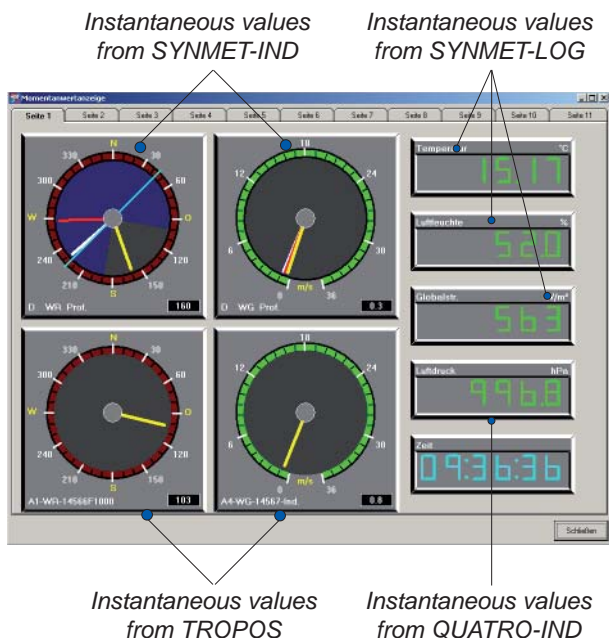 - Regional broadcasting studios

Functions and Options

Functions of a single station

- Display of the instantaneous values of a single station on the screen
- The display layout of the instantaneous values can be designed individually
- Visual signals if the values are out of the limits
- Recall, storage and ASCII data export of average and extreme values
- Calculation of virtual sensors based on a formula collection or formulas of free choice during the recall of the average and extreme values
- Tabular, user specific evaluations can be created, shown, printed out and exported
- Graphic evaluations can be shown, printed out and color-coordinated individually
- Data from different stations can be incorporated into one evaluation sheet
- Evaluation procedures and export contents can be specified individually
- A data base editor registers the data base changes

Further functions of a single station by using the option „Data recall"

- Display of instantaneous values from up to 20 stations on the screen simultaneous (fig. below shows 4 stations)
- Recall of average- and extreme values as Windows service
- QUATRO measuring values are evaluable directly

Instantaneous values from SYNMET-IND   *Instantaneous values from SYNMET-LOG*

Instantaneous values from TROPOS   *Instantaneous values from QUATRO-IND*

Further functions of a network station (incl. the option „Data recall")

- The number of the users, who can operate in the network simultaneous, can be increased from 1 to 6...999
- The allocation of the instantaneous value in the LAN is carried out by TCP/ IP packets (client - server)
- More than one user can access the saved data simultaneous by TCP/ IP (client-server-data management)
- A user administration and user specific displays as well as evaluation layouts and export contents are designable

Communication options

- · Online, via cable
- · Modems (fixed network or GSM)
- · Radio
- · Serial per Ethernet
- · GPRS (not with ADLAS systems)

Options

- The number of the connected measuring stations can be increased from 1 to 6...999.
- The number of the users, who can operate in the network simultaneous, can be increased from 1 to 6...999.
- The evaluation content can be expanded through the option „Wind statistics".
- The SQL interface for an existing SQL server can be provided (but not for ADLAS systems).

Id-No.	Name
36.09337.000 000	**(9337-0) Software „MeteoWare CS"** Basic module
	Options for „MeteoWare CS"
36.09337.100 000	**(9337-1) Software option** „Floating-Licence", Add-on module, Plus 5 users
36.09337.110 000	**(9337-11) Software option** „Floating-Licence", add-on module for up to 999 users
36.09337.200 000	**(9337-2) Software option** Add-on module, plus 5 stations
36.09337.210 000	**(9337-21) Software option** Add-on module for up to 999 stations
36.09337.300 000	**(9337-3) Software option** Add-on module "Wind statistics"
36.09337.400 000	**(9337-4) Software option** Add-on module "Data recall"
36.09337.500 000	**(9337-5) Software option** "SQL interface" for an existing SQL server