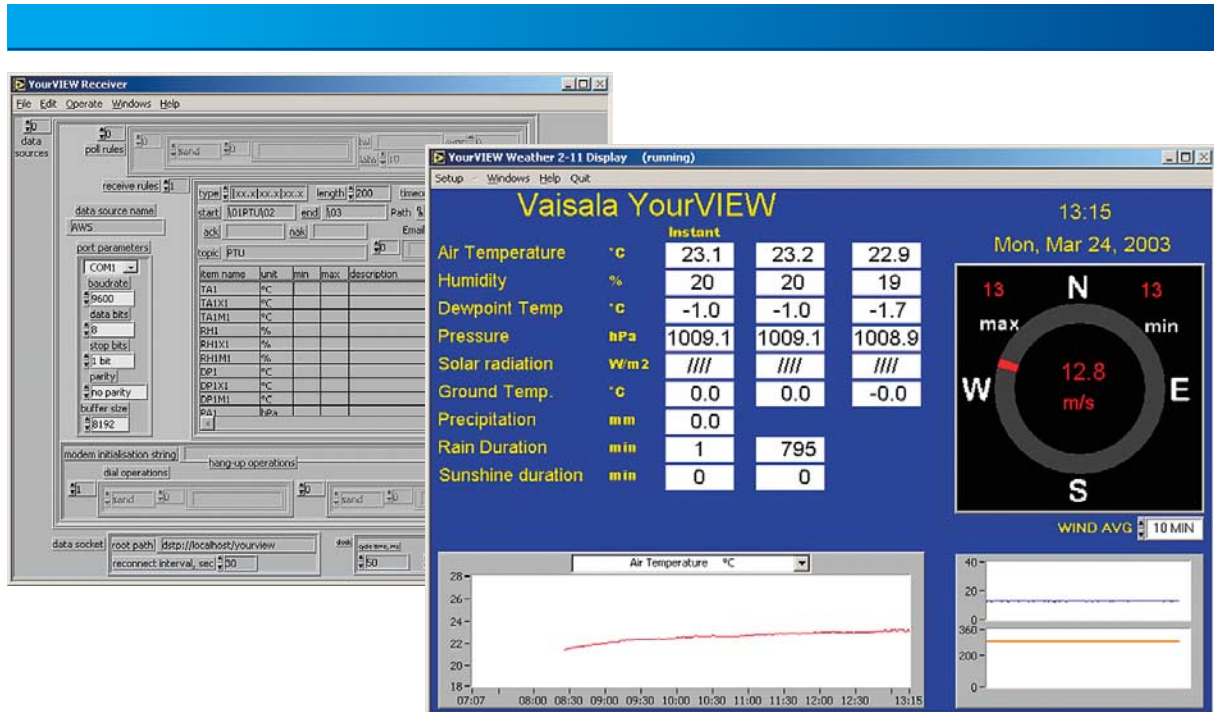# VAISALA

Vaisala Real-time Display Software YourView

Vaisala Real-time Display Software YourView is graphical user interface software for Vaisala automatic weather stations. It offers a graphical presentation of real-time and logged data and allows you to log data to your PC hard disk.

SYSTEM OVERVIEW

The software consists of four modules that run simultaneously on your PC. In the Receiver module you define the communication settings for receiving data from a data collecting system via your PC's serial ports. The data logging module defines the data logging details.

The Weather Display modules are used for real-time monitoring of measured and calculated data. The Browser module allows you to study the logged history data in more detail, both graphically and in table format.

The DataSocket communication protocol (DSTP) is used for communication between the different modules. This makes it possible to have the receiver, display and logging modules running simultaneously in different PCs connected in a network that use the same data. The DataSocket data packet issues a time stamp for each data packet.

The operation is password-protected to prevent unauthorized personnel from making changes to the settings or closing down the program. The password must be entered to stop the program or change the parameter settings.

RECEIVER MODULE

The Receiver module receives the automatic weather station (AWS) data and enters it into the DataSocket database for the real-time Display and Data Logging modules. The Receiver module can work with several serial lines simultaneously; the Receiver communication parameters and settings are fully user-configurable.

WEATHER DISPLAY MODULE

The Weather Display module displays data in real-time by means of graphs, numeric data boxes, wind displays with selectable data averaging periods and minimum and maximum values. The Wind Display features a very intuitive presentation of variations in wind direction during the selected periods.

The Weather Display module includes data fields for air temperature, humidity, dewpoint, temperature, pressure, solar radiation, precipitation sum and other parameters. The content of the data fields are dependent on the configuration of the reports sent by the Vaisala MAWS or MILOS520 AWSs. The data field headings can be edited by the user.
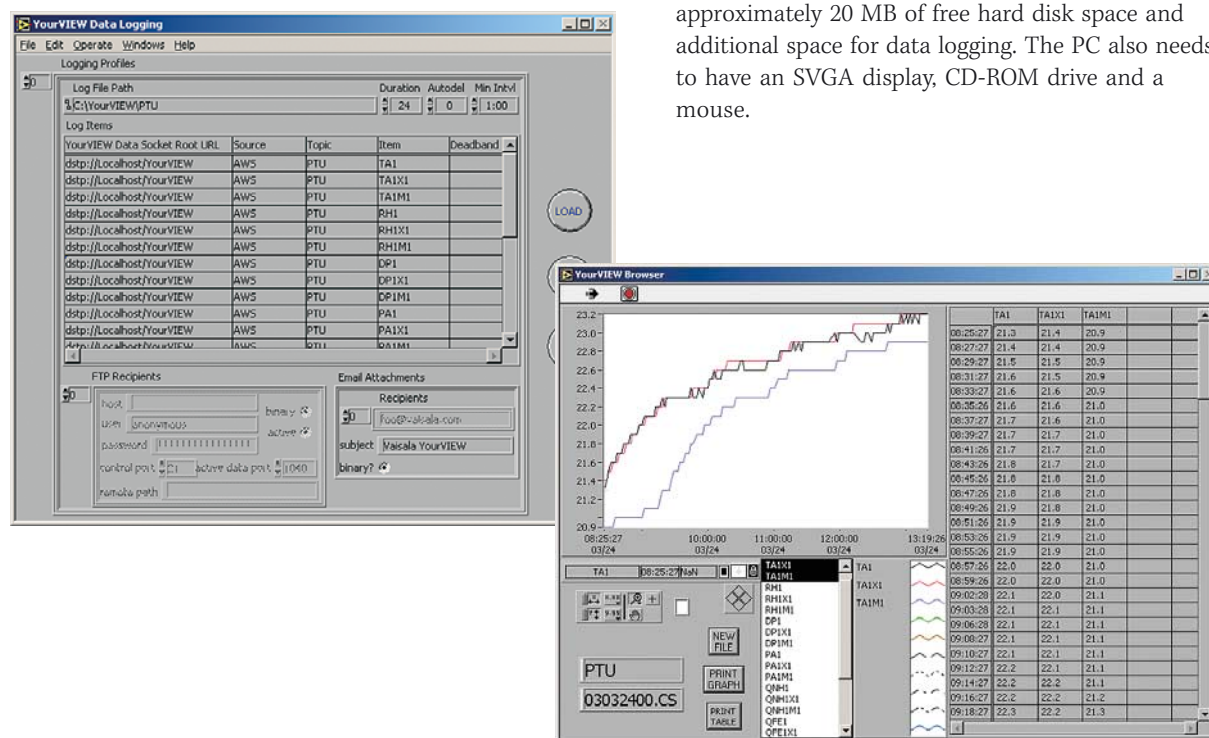
A history window plots the values that have been received previously for the selected sensor. The real-time graphs can contain up to 360 values.

The data plotting rate can be set anywhere from 1 to 120 seconds, giving the graphs a time coverage ranging from a minimum of 6 minutes up to the most recent 12 hours.

DATA LOGGING MODULE

The Data Logging module reads the data from the DataSocket database and stores it in spreadsheet files. The spreadsheet files can be composed of data generated hourly or daily: the daily files are synchronized at midnight. The data is stored in comma-separated ASCII format and can be read directly e.g. in Microsoft® Excel. The Data Logging module can work with several different data logging profiles at the same time.

BROWSER MODULE

The Browser Module is used to browse the stored log files in graphs and tables and allows you to print them.

YOURVIEW WEB SERVER

If you want to access Vaisala YourVIEW through e.g. a company intranet, YourVIEW has a built-in web server which provides access to YourVIEW software modules for viewing only. The display content can be updated by pressing the refresh button of your web browser.

SYSTEM REQUIREMENTS

The display software will run on any IBM-compatible PC with a Pentium/200 MHz microprocessor or better and the Windows NT® or Windows® 95 operating system. A minimum of 32 MB RAM is required (64 MB is strongly recommended). YourView typically requires approximately 20 MB of free hard disk space and additional space for data logging. The PC also needs to have an SVGA display, CD-ROM drive and a mouse.

VAISALA
Reliable.