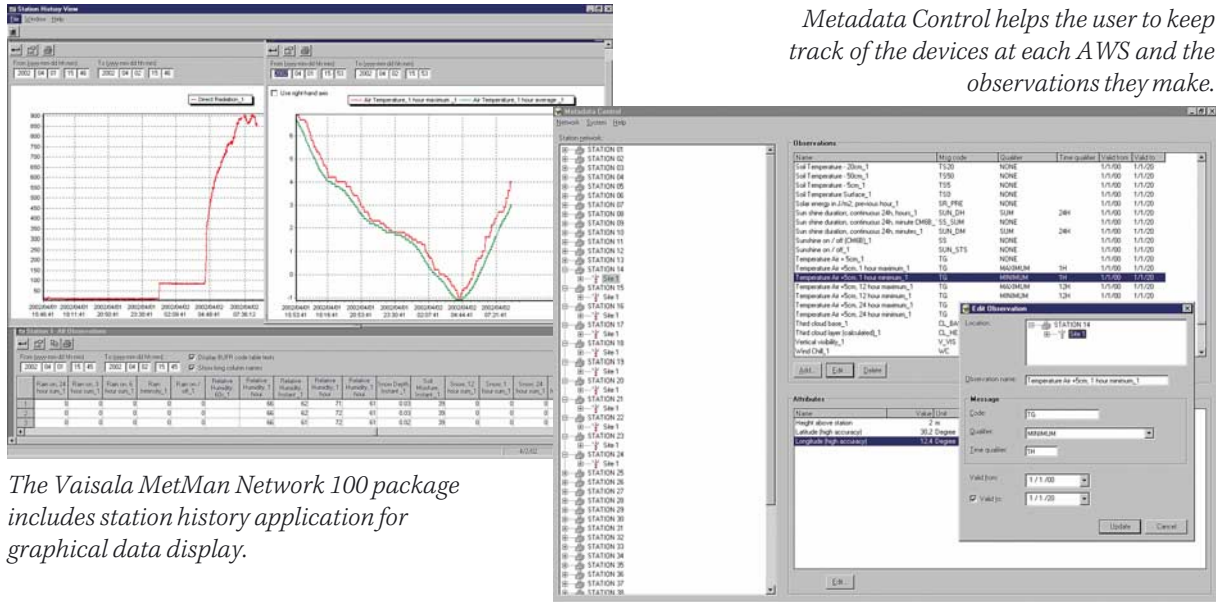# VAISALA

Vaisala MetMan Network 100 version 2.0

Metadata Control helps the user to keep track of the devices at each AWS and the observations they make.

The Vaisala MetMan Network 100 package includes station history application for graphical data display.

- **Complete system for meteorological and hydrological data collection and storage**

- **Various communication options**

- **Easy set-up and configuration**

- **Convenient upgrade path**

Vaisala MetMan Network 100 is a versatile data collection system for meteorological and hydrological networks. It can be used by any organization that needs to collect and manage data from a small or medium-sized network of automatic weather stations (AWSs) and sensors.

GETTING STARTED

Setting up and using MetMan Network 100 is easy. After set-up, the user configures the observation network structure and data collection schedule. Once started, the system operates automatically. Measurement data and alarms are stored into the database. Data can be viewed in real-time displays and data history applications. The System Control Center application displays status of stations, communications and data base.

CHANGING CONFIGURATION PARAMETERS

An AWS network may have hundreds of parameters. MetMan Network 100 stores all configuration parameters in a database. There are user-friendly applications for configuring the structure of the automatic weather station network. Changing stations, observation variables, message formats and

communication parameters is easy. The MetMan Checker application can be used at any time to verify parameter and observation database consistency.

VIEWING DATA IN FRIENDLY FORMATS

MetMan Network 100 offers several ways to access data. With the database viewing application, users can display the measurement data in graphical and/or tabular reports. Data can be exported to files for further processing and analysis in external applications (e.g MS Word, Excel, Matlab). Measurement data can also be read from ASCII files containing data from the last 30-day measurement period.

COMMUNICATION WITH WEATHER STATIONS

The system communicates with the AWSs using serial lines, leased line, dial-up modems or TCP/IP. Data collection schedules may contain any number of stations. Every station may have its own data collection interval. Station time can be automatically synchronized after data collection.Communication options support interaction with different types of AWSs and telecommunication devices. It is also possible to collect the measurement data from other computers. Vaisala MetMan Network 100 runs on a PC with the Windows2000 Professional operating system.

APPLICATION AREAS

- Surface weather synoptic observation
- Small scale research projects
- Precipitation measurements
- Water resource management

STANDARD FEATURES

Communication Protocols	Serial Line, TCP/IP, TELNET, FTP

DATA ACQUISITION MODES MESSAGE RECEPTION,
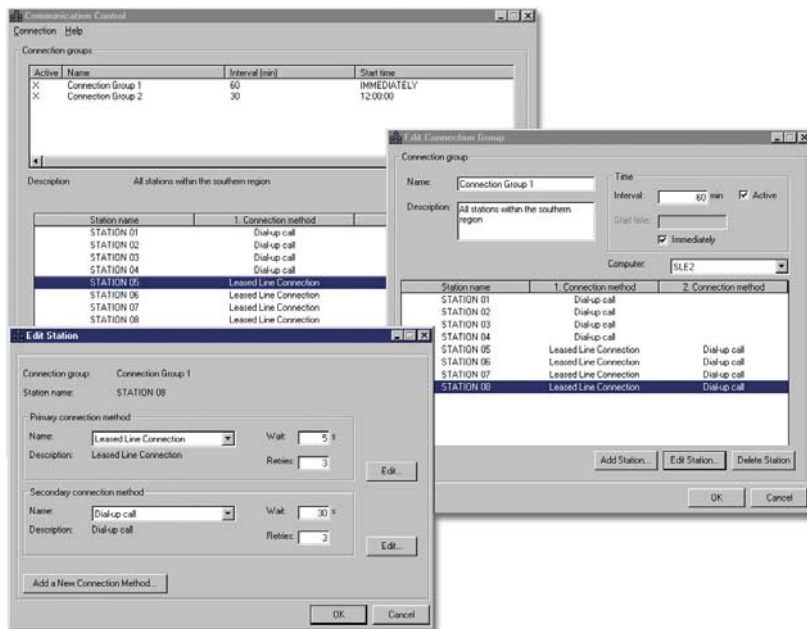## MESSAGE POLLING

Maximum number of simultaneous active connections	8
Maximum number of observations in database	10,000,000
Data storage time in ASCII files one calendar month	
Automatic weather station time synchronization Vaisala Milos 500-series, Vaisala MAWS -series	

APPLICATIONS

Metadata Control
Communications Control
Maintenance Control
System Control Center
Station History View

OPTIONS

Client Workstation with display applications

Alternative modes of communication can be defined.

Reliable.