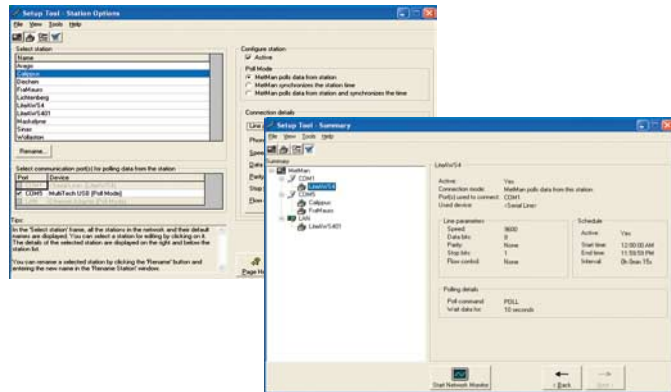# VAISALA

Vaisala MetMan Network Software MM10

- Easy-to-use system for automatic collection of meteorological and hydrological data

- Data collection to text files - no database administration required

- Can be upgraded to a full-scale Vaisala MetMan Network Software MM400 with an Oracle database when the network grows

Setup Tool provides an illustrative overview of the system configuration and makes the configuration of station parameters easy.

Vaisala MetMan Network Software MM10 is a reliable and cost-efficient Windows®-based data collection system for small meteorological and hydrological networks. It is an ideal choice for any organisation willing to start small and retain the option to grow big.

EASY TO GET STARTED

Setting up and using the Vaisala MetMan Network Software MM10 is easy. The installation wizard guides you through the installation procedures. Once the installation is done you can adjust the computer port, station and schedule settings with a user-friendly Setup Tool. When started, data acquisition progress can be monitored using the Network Monitor application. The system continues operating automatically, even if you logged off or even if the computer was restarted for any reason.

MESSAGE FORMAT

The data must be sent to Vaisala MetMan Network Software MM10 in a specific format. The Vaisala SetUp Software Lizard provides a special report template for this purpose.

DATA COLLECTION MODES

There are two alternative modes for the communication port: poll mode and listen mode. In the poll mode, the computer polls data from the stations according to the schedule you have defined. In the listen mode, the communication port listens to the calls from the stations and you can define the call schedule at the station end for each station separately.

In most cases, poll mode is the recommended method for data collection. The listen mode is the preferred mode for data transfer when using SMS messages or half-duplex modems. In the poll mode, the station parameters, including the call schedule, can be set up centrally in the MM10, to make the management of network of stations more easy. Each station can have its own data collection interval. The MM10 can also synchronise the real-time clock in the station when polling data.

VIEWING DATA

The collected data can be displayed on Internet using the optional Vaisala MetMan Web Views software. The data is available both in graphical and table format. Data can be exported manually to .csv files.

VERSATILE COMMUNICATION OPTIONS AND INTEGRATION TO EXTERNAL SYSTEMS

The system communicates with the weather stations using any device supporting serial or TCP/IP protocol, eg.:

- Serial lines
- Dial-up AT modems
- TCP/IP sockets
- GSM SMS messages with Nokia 30 modem
- UHF radio modems
- Fixed modem line

Other systems can be easily integrated with MM10 by setting up an FTP server on the MM10 computer or by sharing the MM10 computer disk in a Windows® network.

DATA ACQUISITION

Maximum number of simultaneous active connections:

3 (2 via serial lines, 1 TCP/IP)

Maximum number of observations in data files:

Limited by the available disk space

Supported stations:

Vaisala Automatic Weather and hydrological Stations MAWS101, MAWS201, MAWS301 and Vaisala Data Collection and Processing System MILOS520

OPERATING SYSTEMS

Windows® XP Professional and Windows® 2000

APPLICATIONS

Setup Tool
Network Monitor

OPTIONS

Vaisala MetMan Web Views software

Network Monitor gives a quick overview of the system status.

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