

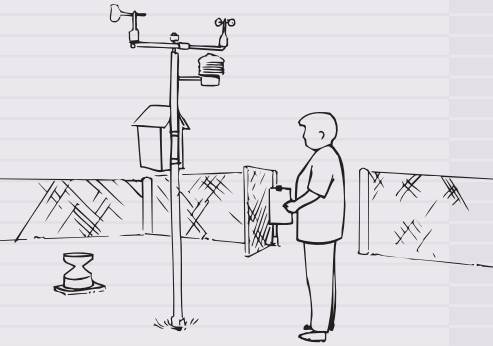


METEO DATALOGGERS & SENSORS

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P4.30

Checking the settings of the automatic weather station.



16.99 Automatic agro-meteostation, 8 channels

Eijkelkamp Agrisearch Equipment designed a standard 8 channel meteostation for measuring, recording and processing of the standard parameters: wind speed and wind direction, global radiation, air temperature, air humidity and precipitation.

The station is constructed around a foldable mast which can be taken apart, allowing for mobile applications of the station.

The datalogger (16.99.15) with built-in air temperature and relative air humidity sensor has 8 input channels and a memory in excess of 3100 measurements per channel.

The measuring interval can be set anywhere between 10 seconds and 12 hours. With the menu controlled software every single channel and sensor can be configured. Each station is subjected to customer specific configuration and a functional and life test.

Entering an annual maintenance contract is recommended.

The station is equipped, standard with the following sensors:

- Wind speed sensor, measuring range 0.25 - 75 m/sec, accuracy 1%.
- Wind direction sensor for wind speeds between 0.6 - 75 m/sec, accuracy +/- 2° at wind speeds over 5 m/sec.
- Radiation sensor with a measuring range of 530 - 1080 nm and an accuracy of 5%.
- Built-in air temperature- and relative air humidity sensor, measuring range air temperature between -20 °C and +70 °C; measuring range relative air humidity 0 to 100%; accuracy better than 2%.
- Rain gauge of UV-resistant plastic, aerodynamic design with tipping bucket, resolution of 0.2 mm precipitation, surface 507 cm².

The complete set is supplied inclusive software, tools and extensive documentation for installation and maintenance.



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Dataloggers

16.99.15 Datalogger, model Datahog 2 with 8 input channels

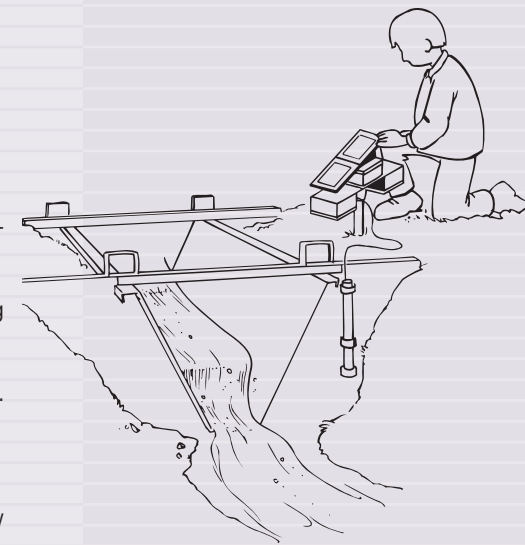
The complete, compact datalogger with built-in air temperature/humidity sensor is easy to use and housed in weather resistant (IP65) housing. The logger is fitted with 6 free input channels allowing various applications. The datalogger has an extensive memory for storage of up to 3100 measurements (channel, date and time). The measuring intervals can be adjusted from 10 seconds to up to 12 hours. The long life of the batteries allows the datalogger to be deployed in long term projects in remote areas of short term research where data are registered in short intervals. A multitude of sensors can be linked to the datalogger. The datalogger is fitted standard with battery supply, but electricity supply via the mains or a solar panel is possible too. With built-in air temperature/humidity sensor the datalogger can be supplied with 2 or 6 free input channels. For special applications the compact

datalogger can be supplied without built-in air temperature/humidity sensor, with 1, 2, 4 or 8 input channels (for instance for use with rain gauge or flume). Special software is available to configure the datalogger and to download data.

Advantages

- Connecting facilities for different sensors.
- Selection from analog/digital input channels.
- Compact and weather resistant.
- Easy programming and configuring with provided menu controlled software.
- Extensive series of measuring and recording intervals.
- Every channel can be individually programmed.
- Adjustable start/stop function.
- Data/time recording.
- Accurate 15 bit resolution, extensive memory capacity.
- RS 232 output, due to ASCII-data compatible to all PC's.
- Reading-in of files in spreadsheets is easy.

A flume is connected to the datalogger.



Datalogger (8 channels) with and without built-in air humidity sensor