COMMETER

- Measuring/Recording
- Temperature
- Humidity
- Dew Point
- Barometric Pressure

- USB connector for easy connection to PC
- Backlit display
- Acoustic alarm indication

- High quality, accurate and stable sensors
- Traceable calibration certificate in accordance with EN ISO/IEC 17025
**SENSOR COVERS FOR IMPROVED PROTECTION FOR EXTERNAL PROBES**

FS300 - teflon sensor cover with screwed resis- tance against splashing water. Cover is not suitable for immersion, risk of condensation. Filtering ability 0.02µm.

F6000 - extendable bimetal sensor cover for mode- lue explosive environments. Filtering ability 0.02µm.

FS208 - sensor cover with fiber from glassy steel mesh, suitable for moderately dusty envi- ronments. Filtering ability 0.02µm.

**MEASUREMENT**

**TEMPERATURE**

**HUMIDITY**

**DEW POINT**

**BAROMETRIC PRESSURE**

COMMETER portable devices measure physical quantities such as temperature, relative humidity, dew point, sound pressure levels, windspeed, atmospheric pressure, or pressure tendency over past three hours. The measured value is displayed on a dual line LCD display, 999 / 9999 value or a manually stored measured value can be read on the display.

**ALARMS INDICATION**

For each measurement channel can be set upper and lower limits. In case the limits are exceeded these alarms is indicated in the value display by the display of the alarm icon and also by intermittent acoustic signal which can be turned off.

USB cable for communication is included with Commeter series B.

**ACCESSORIES FOR CALIBRATION AND ADJUSTMENT**

The verification of the accuracy of measurement (calibration) and the new setting (adjustment) of the instru- ments measuring the relative humidity with external probe can be done by using specifically accessories which can relate of the adjustments for generating a relative humidity (calibration chamber).

**ACCESSORIES AVAILABLE**

HR923 - set of 5 humidity standards 12% RH with 5 accessories pads

HR922 - set of 5 humidity standards 12% RH with 5 accessories pads

MD946 - air-dry vessel for calibration and calibra- tion of humidity.

**POWER SUPPLY**

A3163 adapter 12V.

The complete range of probes can be found at www.commetersystems.com

**EXTERME TEMPERATURE PROBES**

Temperature probes on the cable are designed to measure the temperature in specific applications. Probes are supplied in lengths of 1, 2, 5 and 10 meters. To maintain high accuracy measurements it is recommended to use probes with lengths greater than 2 meters. Probes are manufactured in accuracy of class A, unless stated.

<table>
<thead>
<tr>
<th>Model</th>
<th>Temperature range</th>
<th>Relative humidity</th>
<th>Rtd accuracy</th>
<th>Accuracy at 25°C</th>
<th>Accuracy 10% RH</th>
</tr>
</thead>
<tbody>
<tr>
<td>HR1006</td>
<td>-50°C to +120°C</td>
<td>5% RH to 100%</td>
<td>±0.1°C</td>
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</tr>
<tr>
<td>HR2006</td>
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<td>5% RH to 100%</td>
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<td>-50°C to +120°C</td>
<td>5% RH to 100%</td>
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<td>±0.2°C</td>
<td>±0.2°C</td>
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<tr>
<td>HR4006</td>
<td>-50°C to +120°C</td>
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<tr>
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**COMMETER WITHOUT RECORD - SERIES "C"**

Temperature probes on cables are designed to measure the temperature in specific applications. Probes are supplied in lengths of 1, 2, 5 and 10 meters. To maintain high accuracy measurements it is recommended to use probes with lengths greater than 2 meters. Probes are manufactured in accuracy of class A, unless stated.

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**MEASUREMENT**

**TEMPERATURE**
**HUMIDITY**
**DEW POINT**
**BAROMETRIC PRESSURE**

COMMETER portable devices measure physical quantities such as temperature, dew point, humidity, atmospheric pressure or pressure tendency over the past three hours. The measured value is displayed on dual line LCD display. MIN / MAX value or a manually stored measured value can be read on the display.

**ALARM INDICATION**

For each measurement channel can be set upper and lower limits. In case the limits are exceeded these limits alarm is indicated as the value blinking on the display. If the alarm is activated, the device can draw attention to this fact also by intermittent acoustic signal which can be turned off.

**RECORD**

Measured values can be stored in memory. Measured values are stored either automatically or manually. Automatic record stores the values at pre-intervals from 10s to 24h. Logging mode can be adjusted as non-cyclic, when logging stops after filling the memory or cyclic, when the oldest recorded values are overwritten by new ones after the memory is full. You can store up to 16 000 values. Manual mode allows you to save the current values by pressing HOLD / ENTER. Stored values can be transferred via the USB port to PC.

**DATA ANALYSIS**

The recorded data can be transferred to a PC for further analysis. Obtained Values can be displayed in the form of a table or graph, data can be printed or exported to .dbf or .txt format for further processing of spreadsheet software.

**Software for configuration and analysis.**

**Commmeters are supplied with traceable calibration certificate in accordance with EN ISO/IEC 17025.**
Multilogger - universal portable 16-channel datalogger with Ethernet interface

- On-line monitoring
- Recording of data
- Alarm Warnings

- Temperature (Pt1000, thermocouples)
- Humidity
- Barometric pressure
- CO₂
- Sensors with output 0-20 mA, 0-10 V
- Two-state inputs
- Pulse counter

- Ethernet interface
- May be configured using the keypad
- Battery or mains powered
- Graphical display with backlight
- Traceable calibration certificate in accordance with EN ISO/IEC 170255

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18°7'51.295"E