THE PERFECT HANDHELD INSTRUMENT FOR CLIMATIC MEASUREMENTS.

INNOVATION IN HUMIDITY AND TEMPERATURE MEASUREMENT

- Highest-possible measuring accuracy
- Guarantees absolute reproducibility
- Measures relative humidity and temperature and calculates all psychrometric values
- Two interchangeable probe inputs, digital or analog
- 20,000 data point memory
- Data capture of 250 data points each for up to 8 defined locations
- Probe adjustment direct to dew point reference
- Battery charge indicator and recharging function
The HygroPalm23-series is the latest development in handheld measuring instruments for relative humidity, temperature and dew point. Based on AirChip3000 technology, this indicator achieves a degree of accuracy not seen before.

In combination with advances in sensor technology and integration, the HygroPalm2-series provides superb precision and state-of-the-art functionality, taking humidity and temperature measurement to a whole new level of performance and reliability (< 0.8 %rh / 0.1 K).

**Flexible choice of probes**
- The HygroPalm23 can be fitted with interchangeable probes
- Has 2 probe inputs
- Connection of HygroClip2 or analog probes possible

**Interface**
- Easy and quick access to service connector possible
- Mini USB interface available
- Offers extended calibration and calculation functions

**Practical display**
- The clear, backlit graphic display is easy to read and the simple menu navigation quickly takes the user to all information available
- Trend indication of values configurable
- Saves the momentary state (capture logging) and allows reading out of all values
- Battery charge indicator
- Display resolution to 3 decimal places
- Various display types possible

**Praxisgerätes Gehäuse**
- Ergonomic and robust ABS housing with rubber grip for secure handling
- IP 40 protection

**Battery/Rechargeable battery compartment**
- Battery or rechargeable battery holder with lock
- The battery voltage of 9 V serves to supply third-party probes
- With recharging function
APPLICATIONS.

The HygroPalm23-series is ideal for all applications where exact measurement of humidity and temperature is of decisive importance, e.g. the food and pharmaceutical industries, printing and paper industries, many trades, the sciences, meteorology, agricultural sector, climatology, etc. There is hardly a field today in which these parameters may be ignored. It is ultimately the measuring task at hand that defines the HygroPalm instrument that best meets your needs.

PROBES FOR HYGROPALM23.

Whether you need a simple climate probe for measuring ambient conditions or a more sophisticated cable probe for high temperature and other special applications, we can provide you with the ideal HygroClip2 probe to suit your requirements. All HygroClip2 probes can be individually calibrated and adjusted to increase measurement precision where you need it the most. This capability is exactly what makes every probe in the product range a high-end solution for your application.

Standard Climate Probes
Probes with maximum accuracy, for all climatic measurements, operating range -40...100 °C

High Temperature Probes
Hand-held probes for applications to 200 °C
Probe length 250 and 400 mm Ø15 mm

Miniature Probes
4 and 5 mm probes for measurements in confined spaces such as packaging etc. and for building material tests

Any Analog Probes
Use your probes for analog signals such as, for example, for measurement of wind velocity

An up-to-date overview of our extensive range of accessories such as cables, filters, sets, software and calibration equipment as well as further information on the HygroPalm23 is available on our web site www.rotronic-humidity.com.
TECHNICAL INFORMATION.

Data Logging.
Keep track of the past. The values stored in the instrument can be displayed graphically with the optional software HW4. You can define the storage intervals, the alarm limits, the type of alarm generation (analog or digital), the scale and much more yourself. The HygroClip2 can therefore be integrated in any application.

Data Capture.
The handheld instrument HP23 offers you the possibility to record up to 8x250 data points. These data, including time stamp, can be called up individually, thereby providing perfect room surveillance. Thanks to this function, the handheld instrument is ideal for everyday use.

Adjustment.
There are three different adjustment profiles for measuring accuracy available as options. With the top version the instrument is adjusted at 20 humidity values and three different temperatures. A further advantage of this version: the data are stored on the AirChip and can therefore be used for, for example, audits.

Sensor Diagnostics.
The intelligence of AirChip3000 technology enables advanced sensor diagnostics. Should the sensors deviate from factory defined parameters, the measured values are compensated electronically. You can select whether the values are merely to be compensated or whether an alarm should also be emitted.

Analog Probe Input
Socket (instrument): The numbers are given for illustration purposes only and are not marked on the socket.

1) RXD UART digital probe
2) GND (digital and power)
3) V+: digital probes: 3.3 VDC nominal, analog probes: max. 5.0 VDC, 10 mA
4) AGND (analog ground)
5) Not used
6) One-channel analog probe signal: +0.0 to 3.3 VDC
7) TXD UART digital probe

Accessories
Order no.: A-02XX
Description: Cable adapter, 2 m, with open ends for analog probe input

Change over now to the HygroClip2 probes with integrated AirChip3000 technology for your temperature and humidity measurements. You can find detailed information about our probes at www.rotronic-humidity.com. We would also be happy to advise you in person or on the phone.