

HUMIDITY AND TEMPERATURE METER

INSTRUCTIONS FOR USE – Verus Model N18



1. Getting started

Press large green button to **switch-on** and **humidity** will be selected showing **%RH**

Press button below it to select **air-temperature** which will show **°C**.

Press button again to select **air-temperature** in **°F**.

To return to **humidity** press lower button again

Hold the probe in the area to be tested and allow adequate time for readings to stabilize to the nearest 2 significant numbers (air humidity constantly fluctuates at the 0.1% level)

To **switch-off** press the large green button again, alternatively **auto shut-down** will occur after approx 10 minutes of inactivity.

Do not immerse the probe in liquid, or expose the humidity sensor to direct sunlight. Protect the probe from contact with dust or touching by foreign objects.

2. Other features

To **backlight** the display press the **right hand** button.

For **data-hold** press and hold the **left hand button** for 2 seconds minimum.

To turn off **data-hold** switch the meter off /on again using the green button.

Low battery: the symbol **-+** is displayed when the battery needs replacing, the battery case cover is held with a single cross-head screw.

Remote readings: this meter does not include a separate long lead remote-probe facility. To record humidity or temperature in out of view areas where the LCD panel cannot be read, switch on and position the meter and probe in the out of view areas area. Allow the reading to stabilize, then while in position press and hold the left hand button for 2 seconds to operate **data-hold** facility. Then **withdraw the meter and read** the display.

3. Specifications

Instrument has a precision capacitance sensor with fast humidity response so minimum time is spent waiting for readings to stabilise. Sensor sampling rate is 2.5 samples per second. It is primarily a fast response tool for site operations, not a laboratory reference.

Humidity range: 5-95% RH, with accuracy: $\pm 4\%$ RH at mid range, $\pm 6\%$ RH otherwise.
Air temperature: Instrument uses thermistor and type 'k' thermocouple; accuracy: $\pm 1^{\circ}\text{C}$.

Battery: one 9 Volt / 1604 / 6F22 or equivalent alkaline cell.

Dimensions: 226 x 48 x 34 mm deep; weight: 182 grams with battery.

4. Calibration

This instrument is serial numbered and is accompanied at supply date with a traceable calibration certificate suitable for meeting ISO 9000 calibration requirements. The intervals between recalibrations should be appropriate for individual users quality needs.



The information contained in this leaflet is given in good faith. As the method of use of the instrument, continued accuracy and the interpretation of readings are beyond the control of the maker or supplier, Verus Instruments Ltd cannot accept responsibility for any loss, consequential or otherwise, resulting from its use.

VERUS INSTRUMENTS LTD



mail@verus.co.uk
www.verus.co.uk