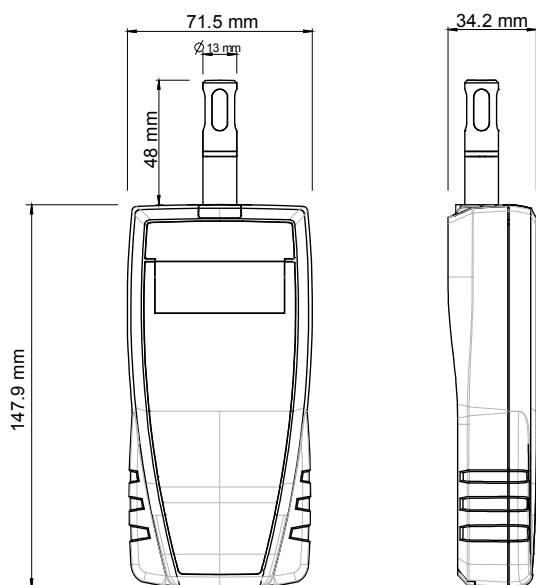


## Thermometer / Hygrometer HD 50

### KEY POINTS

- Easy to use
- HOLD function
- Built-in probe
- Auto shut-off : 20 minutes

### FEATURES OF THE HOUSING



**Material :** ABS

**Protection :** IP54

**Display :** 1 line  
LCD 1 x 5 digits  
Size : 50 x 20 mm

**Height of digits :**  
Values : 9.2 mm  
Units : 4.7 mm

**Weight :** 200 g (with batteries)



### TECHNICAL FEATURES

| Parameter                           | Temperature  | Hygrometry  |
|-------------------------------------|--|---|
| <b>Measuring Units</b>              | °C, °F   | %RH   |
| <b>Measuring range</b>              | From -20 to +70 °C   | From 5 to 95%RH   |
| <b>Accuracy<sup>1</sup></b>         | ±0.4% of reading ±0.3 °C   | <b>Accuracy (Repeatability, linearity, hysteresis) : ±1.8%RH</b><br>(from 15 °C to 25 °C)<br><b>Uncertainty adjustment in factory: ±0.88 %RH</b><br><b>Drift linked to the temperature:</b><br>±0.04 x (T-20) %RH (if T<15°C or T>25°C) |
| <b>Resolution</b>                   | 0.1 °C   | 0.1%RH  |
| <b>Response time</b>                | T63 = 5 s  | T63 = 4 s   |
| <b>Conditions of use (°C/%RH/m)</b> | From 0 to +50 °C. In non-condensing conditions. From 0 to 2000 m.              |   |
| <b>Storage temperature</b>          | From -20 to +70 °C   |   |
| <b>Measuring element</b>            | Digital sensor CMOS  |   |
| <b>Power supply</b>                 | 4 batteries AAA LR03 1.5 V   |   |
| <b>Battery life</b>                 | 100 hours  |   |
| <b>European directives</b>          | 2014/30/EU EMC ; 2014/35/EU Low Voltage ; 2011/65/EU RoHS II ; 2012/19/EU WEEE |   |

<sup>1</sup> All the accuracies indicated in this technical datasheet were stated in laboratory conditions, and can be guaranteed for measurements carried out in the same conditions, or carried out with calibration compensation

## SUPPLIED WITH

Instruments are supplied with an adjustment certificate and a soft case.



## ACCESSORIES

- Calibration certificate
- Soft case
- Magnetic protective housing



**Only the accessories supplied with the device must be used.**



## MAINTENANCE

We carry out calibration, adjustment and maintenance of your instruments to guarantee a constant level of quality of your measurements. As part of Quality Assurance Standards, we recommend you to carry out a yearly checking.

## GUARANTEE

Instruments have 1-year guarantee for any manufacturing defect (return to our After-Sales Service required for appraisal).

## PRECAUTIONS FOR USE

Please always use the device in accordance with its intended use and within parameters described in the technical features in order not to compromise the protection ensured by the device.

## USE OF THE INSTRUMENT

### Take a measurement

- Switch on the instrument by pressing on **“On/Off/Hold”** .  
*The instrument displays its name “HD50” then the measurement value in %RH.*
- Press briefly on **“Select”** to move from the humidity measurement to the temperature measurement.

### Hold the measurement

*During measurement :*

- Press briefly on **“On/Off/Hold”** to hold measurement.  
*« Hold » appears on the screen and humidity and temperature measurements are fixed.*
- Press briefly on **“Select”** to move from one parameter to the other.
- Press again briefly on **“On/Off/Hold”** to exit the Hold function.

### Change the temperature unit

*The instrument is on*

- Pressing longer on **“Select”** to change the temperature unit.
- Press briefly on **“Select”** to select the unit : °C or °F.
- Pressing longer on **“Select”** to confirm unit and return to the normal measuring mode.

### How to change batteries

- Remove the front part at the back of the instrument.
- Replace used batteries by new batteries AAA LR03 1.5 V.
- Replace the front.

Auto shut-off : the instrument switches off if not used during 20 minutes.



Once returned to KIMO, required waste collection will be assured in the respect of the environment in accordance with European guidelines relating to WEEE.

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