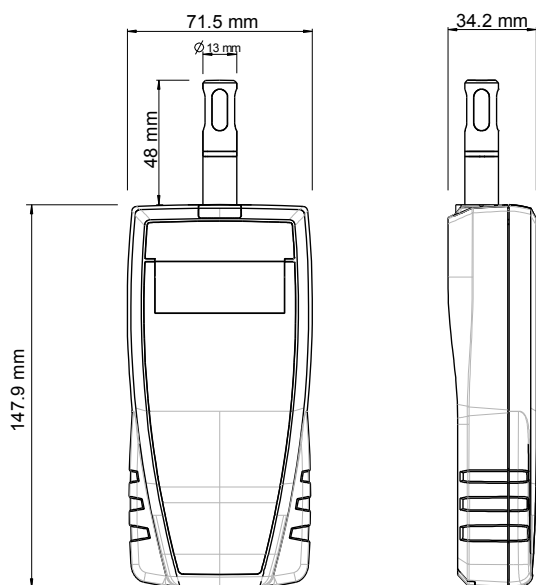


## Thermometer / Hygrometer HD 50

### 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
Measuring Units	°C, °F	%RH
Measuring range	From -20 to +70 °C	From 5 to 95%RH
Accuracy <sup>1</sup>	±0.4% of reading ±0.3°C	<b>Accuracy* (Repeatability, linearity, hysteresis) :</b> ±1.8%HR (from 15°C to 25°C) <b>Uncertainty adjustment in factory:</b> ±0.88 %HR <b>Drift linked to the temperature:</b> ±0.04 x (T-20) %HR (if T<15°C or T>25°C)
Resolution	0.1 °C	0.1%HR
Response time	T63 = 5 s	T63 = 4 s
Operating temperature		From -10 to +50 °C
Storage temperature		From -20 to +70 °C
Measuring element		Digital sensor CMOS
Power supply		4 batteries AAA LR03 1.5 V
Battery life		100 hours
Conformity	Directives CEM 2004/108/CE and NF EN 61010-1	

<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

\*In accordance with NFX 15-113 and the charter 2000/2001 Hygrometers, GAL (guarantee accuracy limit) which has been calculated with a coverage factor value of 2 is ±2.68 % RH between 15 and 25°C on the measuring range from 3 % to 98 %HR. The sensor drift is less than 1 % RH/year.

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## SUPPLIED WITH

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



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## ACCESSORIES

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- Adjustment certificate
- Soft case
- Magnetic protective housing



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## MAINTENANCE

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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.

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## GUARANTEE

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

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## USE OF THE INSTRUMENT

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### Take a measurement

- Switch on the instrument by pressing on « **On/Off/Hold** » .  
*The instrument displays its name « HD50 » then the measurement value in %HR.*
- 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 to 2002/96/CE guidelines relating to WEEE.



**MDUA - Mess- und Datentechnik für Umweltschutz und Arbeitssicherheit**  
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