

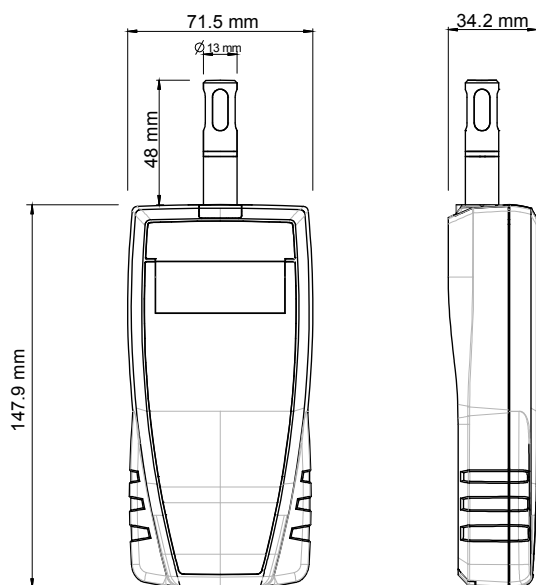
Thermometer / Hygrometer HD 50



KEY POINTS

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

FEATURES OF THE HOUSING



Material: ABS

Protection: IP54

Display: 2 lines, LCD technology, 50 x 36 mm.
1 line of 5 digits with 7 segments (value)
1 line of 5 digits with 16 segments (unit)

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 ¹	±0.4% of reading ±0.3°C	Accuracy (Repeatability, linearity, hysteresis): ±1.8%RH (from 15°C to 25°C) Uncertainty adjustment in factory: ±0.88%RH Temperature dependence: ±0.04 x (T-20) %RH (if T<15°C or T>25°C)
Resolution	0.1°C	0.1%RH
Response time	T63 = 5 s	T63 = 4 s
Conditions of use (°C/%RH/m)	From 0 to +50°C. In non-condensing conditions. From 0 to 2000 m.	
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	
European directives	2014/30/EU EMC; 2014/35/EU Low Voltage; 2011/65/EU RoHS II; 2012/19/EU WEEE	

¹All 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.