English

User Manual

PCE-HT 70 Thermo Hygrometer

User manuals in various languages (français, italiano, español, português, nederlands, türk, polski, русский, 中文) can be found by using our product search on: www.pce-instruments.com

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Contents

1 Safety notes 1
2 Specifications 2
3 Delivery scope 2
4 Device description 2
5 Battery 3
6 Switching the meter on/off 3
7 Software 3
8 Contact 3
9 Disposal 3

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1 Safety notes

Please read this manual carefully and completely before you use the device for the first time. The device may only be used by qualified personnel and repaired by PCE Instruments personnel. Damage or injuries caused by non-observance of the manual are excluded from our liability and not covered by our warranty.

- The device must only be used as described in this instruction manual. If used otherwise, this can cause dangerous situations for the user and damage to the meter.
- The instrument may only be used if the environmental conditions (temperature, relative humidity, …) are within the ranges stated in the technical specifications. Do not expose the device to extreme temperatures, direct sunlight, extreme humidity or moisture.
- Do not expose the device to shocks or strong vibrations.
- The case should only be opened by qualified PCE Instruments personnel.
- Never use the instrument when your hands are wet.
- You must not make any technical changes to the device.
- The appliance should only be cleaned with a damp cloth. Use only pH-neutral cleaner, no abrasives or solvents.
- The device must only be used with accessories from PCE Instruments or equivalent.
- Before each use, inspect the case for visible damage. If any damage is visible, do not use the device.
- Do not use the instrument in explosive atmospheres.
- The measurement range as stated in the specifications must not be exceeded under any circumstances.
- Non-observance of the safety notes can cause damage to the device and injuries to the user.

We do not assume liability for printing errors or any other mistakes in this manual.

We expressly point to our general guarantee terms which can be found in our general terms of business.

If you have any questions please contact PCE Instruments. The contact details can be found at the end of this manual.

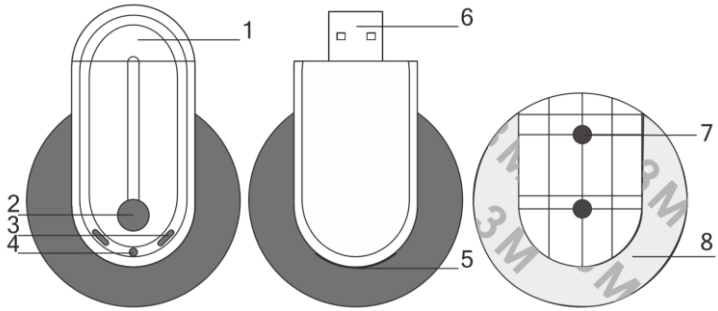
2 Specifications

Measured variable	Measurement range	Accuracy	Measurement/ storage rate
Temperature	-40 ... 85 °C	±0.5 °C (0 ... 70 °C) ±0.8 °C (-20 ... 0 °C)	1 s ... 15 days
Relative humidity	0 ... 100 % RH	±3 % RH (10 ... 90 % RH) ±4 % RH (remaining range)	1 s ... 15 days
Further specifications			
Drift		Temperature: 0.03 °C / year Humidity: 0.25 % RH / year	
Response time		2 minutes	
Memory capacity		max. 16,000 measured values	
Power supply		CR2032 battery	
Battery life		approx. 450 days (@25 °C / 15 min storage rate)	
Environmental conditions		-40...+85 °C	
Protection class		IP30	
Dimensions		69.5 x 47.5 x 18.7 mm	
Weight		44 g	

3 Delivery scope

1 x thermo hygrometer PCE-HT 70
1 x wall bracket
1 x CR2032 battery
1 x instruction manual

4 Device description



No.	Description
1	USB connection cap
2	On/off key
3	Connections for the temperature and humidity sensor
4	LED indicator
5	Battery compartment
6	USB interface
7	Screw holes for the wall bracket
8	Adhesive tape

5 Battery

To insert a battery, first open the battery compartment. Then insert a CR2032 button battery into the cap. You can then close the battery compartment. You can check the battery voltage using the software. When inserting the battery, pay attention to the polarity of the battery.

6 Switching the meter on/off

To switch on the data logger, press and hold the on/off key for 2 seconds. The LED indicator then lights up as soon as a measured value is saved. You can configure this in the software. To switch off the data logger, press and hold the key again for 2 seconds.

7 Software

To put the test instrument into operation, first download and install the software "PCE-HT 70" from our download page.
https://www.pce-instruments.com/english/download-win_4.htm
Instructions for operating the software are provided in the software.

8 Contact

If you have any questions, suggestions or technical problems, please do not hesitate to contact us. You will find the relevant contact information at the end of this user manual.

9 Disposal

For the disposal of batteries in the EU, the 2006/66/EC directive of the European Parliament applies. Due to the contained pollutants, batteries must not be disposed of as household waste. They must be given to collection points designed for that purpose.

In order to comply with the EU directive 2012/19/EU we take our devices back. We either re-use them or give them to a recycling company which disposes of the devices in line with law.

For countries outside the EU, batteries and devices should be disposed of in accordance with your local waste regulations.

If you have any questions, please contact PCE Instruments.

www.pce-instruments.com

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