



User Manual

Environmental Meter PCE-MAM 2



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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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 Description

Based on the high-speed MCU calculation, this anemometer can provide fast and measuring. It is designed for air velocity and temperature measuring projects, quality control and all kinds of environmental air velocity and temperature measurement. It is widely used for the air velocity and temperature measurement at constructional engineering, factory, school, public transport, etc.

3 Features

- High accuracy, fast response
- Color LCD display with backlight
- Air velocity and temperature measurement
- MAX/MIN/Data HOLD
- Selectable measurement units: m/s, ft/min, mph, km/h or knots
- Over range indication
- Low battery indication
- Enable/disable Auto Power Off

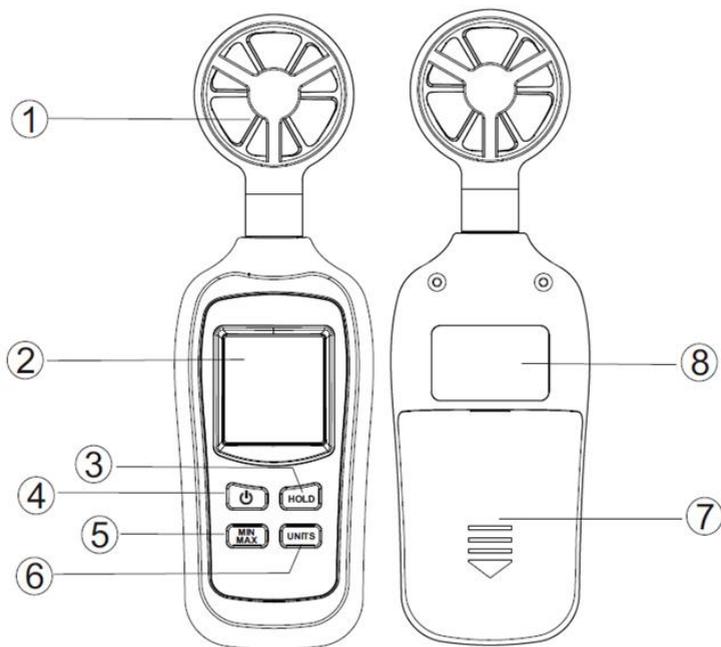
4 Basic Operation

- Open battery cover and install 3 x 1.5 V AAA batteries in the battery compartment. Observe correct polarity.
- Press "" key to turn on the meter, it will conduct self-inspection by LCD full display, after that it enters into the normal measuring mode.

5 Specifications

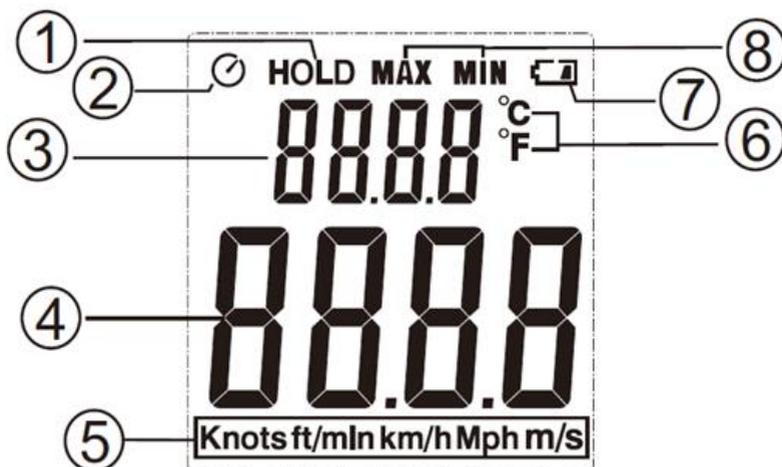
Air Velocity Range	Resolution	Accuracy
0.4 ... 30.0 m/s	0.1 m/s	$\pm(3\% + 0.3 \text{ m/s})$
1.4 ... 108 Km/h	0.1 km/h	$\pm(3\% + 1.0 \text{ km/h})$
0.9 ... 67.0 MPH	0.1 mph	$\pm(3\% + 0.4 \text{ mph})$
0.8 ... 58.0 knots	0.1 knots	$\pm(3\% + 0.4 \text{ knots})$
80 ... 5900 ft/min	1.0 ft/min	$\pm(3\% + 40 \text{ ft/min})$
Temperature range	-20 ... 70 °C / -4 ... 158 °F	
Temperature accuracy	$\pm 1.5 \text{ °C} / 2.7 \text{ °F}$	
Temperature resolution	0.1 °C / °F	
Sampling interval	300 ms	
Battery life	approx. 60 hours	
Enable/disable Auto Power Off	The meter shuts off automatically after 15 minutes inactivity under Auto Power Off mode, function can be disabled.	
Power supply	3 x 1.5 V AAA batteries	
Operating conditions	-20 ... 60 °C / -4 ... 140 °F 10 ... 90 % RH	
Storage conditions	-20 ... 60 °C / -4 ... 140 °F 10 ... 75 % RH	
Dimensions	178.5 x 56 x 30.5 mm	
Weight	84 g	

6 Meter description



1. Vane sensor
2. LCD
3. Hold key
4. Power key
5. MAX/MIN key
6. Unit conversion key
7. Battery compartment
8. Nameplate

7 LCD description



1. HOLD icon
2. Auto Power Off icon
3. Temperature readings
4. Air velocity readings
5. Velocity unit icon
6. Temperature unit icon
7. Low battery icon
8. MAX/MIN icon

8 Operating instructions

Power on/off: Press “” to turn on/off the meter.

Data Hold: In measuring mode, press “”, “HOLD” icon will appear on the LCD, which indicates that the data is frozen. To unfreeze the reading, press “” again.

MAX/MIN: In measuring mode, press “”, “MAX” will appear on the LCD, the captured maximum value will be displayed on the LCD, press “” again, “MIN” will appear on the LCD and the captured minimum value will be displayed on the LCD. Press and hold “”. The meter exits MAX/MIN measurement mode and returns to normal measuring mode.



Velocity unit conversion: In measuring mode, press “”. The measurement units will be converted from m/s, km/h, mph, ft/min, knots in turn.

Temperature unit conversion: With the meter off, press and hold the “” key, meanwhile press “” to turn on the meter. You can then change the temperature unit °C or °F. The default temperature unit is °C.

Enable/Disable auto power off: With the meter off, press and hold the “” key, meanwhile press the “” key. The Auto Power Off icon “” will disappear from the LCD screen, which indicates the Auto Power Off function is disabled. The meter can be powered off only by manually pressing the power key “”.

9 Notes

- (1) Repairs or servicing not covered in this manual should only be performed by qualified personnel.
- (2) Remove the battery when the meter is to be stored for long periods of time to avoid battery leakage.
- (3) When the low battery icon “” appears, replace the meter's battery.
- (4) Working in strong magnetic environments will affect the measuring accuracy.

10 Delivery content

- 1 x anemometer PCE-MAM 2
- 1 x user manual
- 3 x 1.5 V AAA battery

11 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.

12 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 reuse 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.





PCE Instruments contact information

Germany

PCE Deutschland GmbH
Im Langel 4
D-59872 Meschede
Deutschland
Tel.: +49 (0) 2903 976 99 0
Fax: +49 (0) 2903 976 99 29
info@pce-instruments.com
www.pce-instruments.com/deutsch

France

PCE Instruments France EURL
23, rue de Strasbourg
67250 SOULTZ-SOUS-FORETS
France
Téléphone: +33 (0) 972 3537 17
Numéro de fax: +33 (0) 972 3537 18
info@pce-france.fr
www.pce-instruments.com/french

Spain

PCE Ibérica S.L.
Calle Mayor, 53
02500 Tobarra (Albacete)
España
Tel. : +34 967 543 548
Fax: +34 967 543 542
info@pce-iberica.es
www.pce-instruments.com/espanol

United States of America

PCE Americas Inc.
711 Commerce Way suite 8
Jupiter / Palm Beach
33458 FL
USA
Tel: +1 (561) 320-9162
Fax: +1 (561) 320-9176
info@pce-americas.com
www.pce-instruments.com/us

United Kingdom

PCE Instruments UK Ltd
Units 12/13 Southpoint Business Park
Ensign Way, Southampton
Hampshire
United Kingdom, SO31 4RF
Tel: +44 (0) 2380 98703 0
Fax: +44 (0) 2380 98703 9
info@industrial-needs.com
www.pce-instruments.com/english

Italy

PCE Italia s.r.l.
Via Pesciatina 878 / B-Interno 6
55010 LOC. GRAGNANO
CAPANNORI (LUCCA)
Italia
Telefono: +39 0583 975 114
Fax: +39 0583 974 824
info@pce-italia.it
www.pce-instruments.com/italiano

The Netherlands

PCE Brookhuis B.V.
Institutenweg 15
7521 PH Enschede
Nederland
Telefoon: +31 (0) 900 1200 003
Fax: +31 53 430 36 46
info@pcebenelux.nl
www.pce-instruments.com/dutch

Chile

PCE Instruments Chile S.A.
RUT: 76.154.057-2
Santos Dumont 738, local 4
Comuna de Recoleta, Santiago, Chile
Tel. : +56 2 24053238
Fax: +56 2 2873 3777
info@pce-instruments.cl
www.pce-instruments.com/chile

Hong Kong

PCE Instruments HK Ltd.
Unit J, 21/F., COS Centre
56 Tsun Yip Street
Kwun Tong
Kowloon, Hong Kong
Tel: +852-301-84912
jyi@pce-instruments.com
www.pce-instruments.cn

China

PCE (Beijing) Technology Co.,Ltd
1519 Room, 6 Building
Men Tou Gou Xin Cheng,
Men Tou Gou District
102300 Beijing
China
Tel: +86 (10) 8893 9660
info@pce-instruments.cn
www.pce-instruments.cn

Turkey

PCE Teknik Cihazları Ltd.Şti.
Halkalı Merkez Mah.
Pehlivan Sok. No.6/C
34303 Küçükçekmece - İstanbul
Türkiye
Tel: 0212 471 11 47
Faks: 0212 705 53 93
info@pce-cihazlari.com.tr
www.pce-instruments.com/turkish