

USER MANUAL

ANEMOMETER

PCE-AM 30



ENGLISH



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

CHARACTERISTICS

- » Air velocity measurement range: 0.3 ... 30 m/s ($\pm 5\%$)
- » Temperature measurement range: -10 ... 50 °C ($\pm 1\text{ }^{\circ}\text{C}$)
- » Humidity measurement range: 0% - 99% ($\pm 5\%$ at 20 %-90 %)
- » Air velocity unit selection: m/s, ft/min, knots, km/h, mph
- » Beaufort scale
- » °C / °F selection
- » Max/Min/Avg reading selection
- » Hold function
- » Wind chill display
- » Low battery warning
- » Automatic switch-off (with bypass function)
- » Resolution: 0.1 m/s, 1%, 0.1 °C

DESCRIPTION OF THE PRODUCT



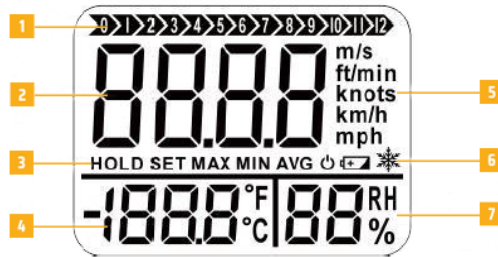
1. Impeller
2. Temperature and humidity sensors
3. LCD with blue backlight
4. Wind speed unit and temperature selection
5. Power button
6. SET button
7. Battery cover
8. Hand strap attachment point

SPECIFICATION

Wind speed range				
Unit	Area	Resolution	Threshold value	Accuracy
M/S	0 ... 30	0.1	0.1	±5 %
Ft/min	0 ... 5860	19	39	
Knots	0 ... 55	0.2	0.1	
Km/h	0 ... 55	0.2	0.3	
Mph	0 ... 56	0.2	0.2	

Temperatur- und Luftfeuchtigkeitsbereich			
Unit	Area	Resolution	Accuracy
°C	-10 ... 50	0.1	±1
°F	14 ... 122	0.1	±2
%RH	20 ... 90%	1	±5 %
Batterie	CR2032 3,0 V		
Operating temperature	-10 ... 50 °C (14 ... 122 °F)		
Operating humidity	≤90 %		
Power consumption	Etwa 2,5 mA		
Weight	60g		

LCD-DISPLAY



1. Beaufort scale
2. Primary display for air speed
3. **HOLD**: Displayed when the meter is in hold mode.
SET: Displayed when the meter is in calibration mode.
Max: In this mode, the meter displays the maximum speed reached by the air Min: In this mode, the meter displays the minimum speed reached by the air AVG: In this mode, the meter displays the average speed reached by the air
4. Temperature display (°C/°F switchable)
5. Options for air speed measurement:
m/s: metres per second ft/min: feet per minute knots: knots
km/h: kilometres per hour
mph: miles per hour
6. Displayed when the automatic shut-off function is disabled This warning is displayed when the battery is low This warning is displayed when the temperature is below °C.
7. Relative humidity (RH) display

OPERATION

1. Switching the meter on and off

- a. Press the button to switch on your meter. The meter will switch off after 10 minutes of inactivity.
- b. To override the automatic switch-off function, hold down the Set button and press the button to switch on. Please note that the measuring device will remain switched on until the battery is empty, unless you switch it off by holding down the button.

2. Selecting the units of measurement for air speed and temperature

- a. Press the Unit button briefly to select the units of measurement for wind speed (m/s, ft/min, knots, km/h, mph).
- b. Press and hold the Unit button to select the temperature unit °C / °F.

3. Selecting the measurement type (maximum, minimum, average, hold, normal)

- a. Briefly press the Set button to select the MAX/MIN/AVG value. If no values are shown on the LCD display, this is the current normal value.
- b. Press and hold the Set button to hold the measurement.

4. Backlight

- a. The backlight turns off after 10 seconds of inactivity. To cancel this function, press and hold the Units button and press the button. The backlight will then remain on.

5. Relative Humidity (RH)

Relative humidity is the amount of moisture in the air compared to what the air can hold at that temperature. If the air cannot hold all the moisture, it condenses as dew. Relative humidity is affected by wind speed, i.e. the stronger the wind, the less moisture is in the air.

Replacing the battery:

If the meter does not turn on as usual or the low battery symbol appears on the LCD display, replace it with a new CR2032 lithium battery. To do this, turn the battery compartment cover counterclockwise to remove it.

Remove the old battery and insert a new battery with the bottom facing up so that it touches the two pins. Dispose of the battery in an environmentally friendly and safe manner at a recycling centre.

CAUTION

- » This measuring device is accurate at low and medium air speeds. Continuous use at very high speeds, e.g. from the window of a fast-moving car, will damage the impeller bearing and reduce accuracy.
- » This measuring device is not personal protective equipment.

FAULT RECTIFICATION

Switch on, but no display or the display disappears

- a. Check that the battery is inserted correctly, has good contact with the pins and is facing the right way.
- b. Remove the battery for one minute and reinsert it.
- c. Replace the battery.

DISPOSAL

For the disposal of batteries in the EU, the (EU) 2023/1542 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.

PCE INSTRUMENTS CONTACT INFORMATION

Germany

PCE Deutschland GmbH
Im Langel 26
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
2, rue Georges Kuhnmmunch
67250 Soultz-sous-Forêts
France
Tel.: +33 (0) 972 35 37 17
Fax: +33 (0) 972 35 37 18
info@pce-france.fr
www.pce-instruments.com/french

Spain

PCE Ibérica S.L.
Calle Mula, 8
02500 Tobarra (Albacete)
España
Tel.: +34 967 543 548
info@pce-iberica.es
www.pce-instruments.com/espanol

United Kingdom

PCE Instruments UK Ltd
Trafford House
Chester Rd, Old Trafford
Manchester M32 0RS
United Kingdom
Tel: +44 (0) 161 464902 0
Fax: +44 (0) 161 464902 9
info@pce-instruments.co.uk
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

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

The Netherlands

PCE Brookhuis B.V.
Twentepoort West 17
7609 RD Almelo
Nederland
Telefoon: +31 (0)53 737 01 92
info@pcebenelux.nl
www.pce-instruments.com/dutch

United States of America

PCE Americas Inc.
1201 Jupiter Park Drive, 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

Denmark

PCE Instruments Denmark ApS
Birk Centerpark 40
7400 Herning
Denmark
Tel.: +45 70 30 53 08
kontakt@pce-instruments.com
www.pce-instruments.com/dansk



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