

# PeakTech®

Unser Wert ist messbar...



**PeakTech® 5170**


**Bedienungsanleitung /  
Operation Manual**

**Digital Anemometer**

## **1. Safety precautions**

This product fulfills the requirements of the following directives of the European Community: 2014/30 / EU (electromagnetic compatibility) to 2014/32 / EU (CE marking).

The following safety precautions must be observed before operation. Damages resulting from failure to observe these safety precautions are exempt from any legal claims whatever:

- \* Comply with the warning labels and other info on the equipment.
- \* Do not subject the equipment to direct sunlight or extreme temperatures, humidity or dampness.
- \* Do not subject the equipment to shocks or strong vibrations.
- \* Do not operate the equipment near strong magnetic fields (motors, transformers etc.).
- \* Keep hot soldering irons or guns away from the equipment.
- \* Allow the equipment to stabilize at room temperature before taking up measurement (important for exact measurements).
- \* Replace the battery as soon as the battery indicator  appears. With a low battery, the meter might produce false reading that can lead to electric shock and personal injury.
- \* Fetch out the battery when the meter will not be used for long period.
- \* Periodically wipe the cabinet with a damp cloth and mild detergent. Do not use abrasives or solvents.
- \* Do not operate the meter before the cabinet has been closed and screwed safely as terminal can carry voltage.
- \* Do not store the meter in a place of explosive, inflammable substances.
- \* Do not modify the meter in any way.
- \* Opening the equipment and service- and repair work must only be performed by qualified service personnel.
- \* ***Measuring instruments don't belong to children hands.***

### **Cleaning the cabinet**

Clean only with a damp, soft cloth and a commercially available mild householder cleanser. Ensure that no water gets inside the equipment to prevent possible shorts and damage to the equipment.


### **Introduction**

This new vane anemometer measures air velocity in meters/ second, kilometers/hour, feet/minute, knots and miles per hour, as well as the current air temperature with simultaneous display of these two measured values on the display.

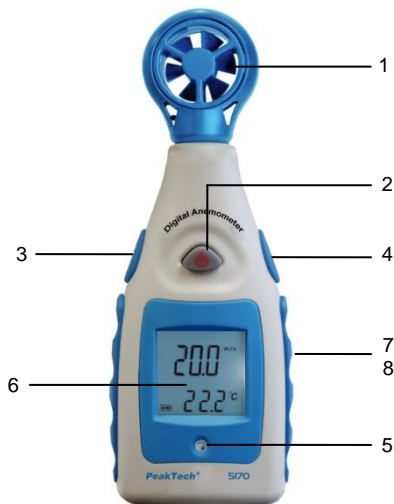
## **2. Features**

- ▶ 3 5/6 digit 10mm LCD display (max. 5999)
- ▶ Automatic backlight illumination
- ▶ Multi-line display for simultaneous value display
- ▶ Variety of meas. units, such as km/h, knots, mph, etc.
- ▶ Air temperature display in °C or °F
- ▶ Maximum Values display
- ▶ Average Value display
- ▶ Rugged and compact housing design

### **3. Specifications**



Display	LCD with automatic backlight
Measurement Range Wind speed	0 ... 30 m/Sec. 0 ... 5860 Ft/min 0 ... 55 Knoten 0 ... 90 km/h 0 ... 65 mp/h
Min. measurable wind speed	Ca. 0.3 m/s
Measurement Range Air-Temperature	-10 ... 45°C 14 ... 113°F
Messfolge	1.5 x Sekunde, typisch
Accuracy Windspeed	+/- 5% rdg.
Accuracy Air-Temperature	+/- 2°C +/- 3.6°F
Low Battery Indication	Symbol "  " shown in the display
Auto Power Off	After 10 Minutes
Power Supply	9V battery, 6F22 or equivalent
Operating Environment	-10°C ~ 45°C; <80% RH
Storage Environment	-40°C ~ 60°C; <70% RH
Size (WxHxD)	55 x 155 x 35mm
Weight	120g

## 4. Panel Description



- 1) Anemometer probe
- 2.) ON - Power switch
- 3.) MAX / AVG Switch
- 4.) Meas. Unit Switch
- 5.) Brightness sensor (backlight)
- 6.) Dual meas. value display
- 7.) Battery compartment (rear)
- 8.) Thread for tripod (rear)

## 4.1. Display Symbols

	This icon indicates the battery-charge status. An empty battery must be replaced as soon as possible and affect the measurement results negatively
	Bargraph for winds peed
MAX	Display keeps highest maximum value
AVG	Display shows average wind speed value
WINDCHILL	Warning for hypothermia
ft/min, m/s Km/h, Knots mph	Selected measurement unit
°C	Measurement unit Air Temp. in Celsius
°F	Measurement unit Air Temp. in Fahrenheit

## 5. Operating Instruction

1. Press the "ON" button once to turn on the unit.
2. Select the measurement function with the unit-selection button (4) on the device side.

The five possible modes are:

Range	Unit	Resolution
Meters / Second	m/s	0.1 m/s
Kilometers / Hour	Km/h	0.1 km/h
Foot / Minute	ft/min	1 ft/min
Knots	Knots	0.1 Knots
Miles / Hour	mph	0.1 mph

After the desired measuring range is selected, you can start your measurements.

## **6. Performing Measurement**

1. Press the "MODE" button to switch to the maximum value mode. The meter is now renewed only if the current measured value exceeds the highest previous reading.
2. Press the "MODE" button again to switch to the average mode. The display indicates the average wind speed over the entire measurement.
3. Press the button again to switch back to the normal measurement mode.


### **Automatic Power Off**

If the device is no longer used it automatically turns off after 10 minutes.

### **Backlight**

This unit features an automatic backlight, which activates when the light sensor on the front panel detects low light conditions.


## **7. Battery Replacement**

If the sign "" appears on the LCD display, it indicates that the battery should be replaced.

Remove the back cover and open the battery compartment. Replace the exhausted battery with new battery.

Batteries, which are used up dispose duly. Used up batteries are hazardous and must be given in the - for this being supposed - collective container.

### **NOTE**

1. Keep the instrument dry.
2. Keep the probes clean.
3. Keep the instrument and battery out of reach of infant and child.
4. When the symbol "" appears, the battery is low and should be replaced immediately. When you install battery, ensure the polarity connections are correct. If you will not use the instrument in a long period of time, remove the battery.



## **7.1. Notification about the Battery Regulation**

The delivery of many devices includes batteries, which for example serve to operate the remote control. There also could be batteries or accumulators built into the device itself. In connection with the sale of these batteries or accumulators, we are obliged under the Battery Regulations to notify our customers of the following:

Please dispose of old batteries at a council collection point or return them to a local shop at no cost. The disposal in domestic refuse is strictly forbidden according to the Battery Regulations. You can return used batteries obtained from us at no charge at the address on the last side in this manual or by posting with sufficient stamps.

Contaminated batteries shall be marked with a symbol consisting of a crossed-out refuse bin and the chemical symbol (Cd, Hg or Pb) of the heavy metal which is responsible for the classification as pollutant:



1. "Cd" means cadmium.
2. "Hg" means mercury.
3. "Pb" stands for lead.

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*This manual is according the latest technical knowing. Technical alterations reserved.*

*We herewith confirm that the unit is calibrated by the factory according to the specifications as per the technical specifications.*

*We recommend to calibrate the unit again, after one year.*

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