PeakTech®

Unser Wert ist messbar...

PeakTech® 5160

Bedienungsanleitung / Operation Manual

Lufttemperatur & -Feuchtigkeitsmessgerät / Air Temperature & Humidity Meter

1. Safety precautions

This product complies with the requirements of the following directives of the European Union for CE conformity: 2014/30/EU (electromagnetic compatibility), 2011/65/EU (RoHS).

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 mid 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 newly developed instrument measures the current humidity, as well as the current air temperature installed a set of sensors for fast and accurate evaluation of the measurement results.

2. Features

- ► 3 -digit 10mm LCD display (max. 999)
- ► Automatic backlight
- ► Humidity measurement in %R. H.
- ► Air temperature in °C or °F
- ► Fast response time of the sensor
- ► Rugged and compact housing design
- ► Data hold

3. Specifications

Display	LCD with automatic backlight	
Measurement Range	R.H.: Temp. :	10% ~ 99% -10°C ~ 50°C (14°F ~ 122°F)
Resolution:	R.H.: Temperatur:	0.1 %RH 0,1 °C
Accuracy	%R.H.: Temperatur:	+/- 5,0% (at 25°C; 10~30%RH) +/- 3,0% (at 25°C; 30~99%RH) +/- 1°C (+/- 2.6°F)
Measuring Rate	2 x / second	
Low Battery Indication	Symbol “ ” shown in the display, if battery voltage is low	
Auto Power Off	After 10 Minutes	
DATA-HOLD	Holds measurement value in display	
Power Supply	9V battery, 6F22 or equivalent	
Operating Environment	-10°C ~ 40°C; <99% RH	
Storage Environment	-10°C ~ 60°C; <70% RH	
Size (WxHxD)	55 x 145 x 35mm	
Weight	158g	

4. Panel Description

1) Temperature / Humidity Sensor
2.) ON - Power switch
3.) Temp. / Humidity - button
4.) HOLD - button
5.) Brightness sensor
6.) Measured value display
7.) Battery compartment (rear)
8.) Thread for tripod (rear)

4.1. Display Symbols

	This icon indicates the battery status. An empty battery must be replaced as soon as possible and affect the measurement results negatively
HOLD	Data-Hold: Keeps the current value in display
%	Percent (unit of Relative Humidity)
°C	Celsius degree
°F	Fahrenheit degree

5. Operating Instruction

1. Press the "ON" button to turn on the unit.
2. Select the desired measurement function:
   Select the measurement function with the option key (3) on the device's side.

The three possible measurement functions are:

% R.H. (Relative Humidity)	%
°C Temperature Measurement	°C
°F Temperature Measurement	°F

After the desired measurement function is selected, the device automatically switches from the selection mode to measuring mode and you can start your measurements.

6. Performing Measurement

General:

1. Temperature measurement:
   The display shows the air temperature in °C/°F.

2. Humidity measurement:
   The display shows the relative humidity in %RH.

   Humidity refers to the amount of water vapor at room or ambient air.

3. To "freeze" the current reading press the "HOLD" - button. The display stops updating the measured values and the "HOLD" - symbol appears.

Automatic Power Off:

If the device is no longer used, it will automatically turn off after 10 minutes.

Backlight:

This unit features an automatic backlight, which activates the backlight 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

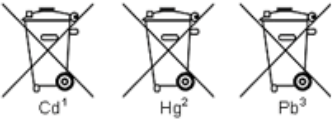
1. Keep the instrument dry.
2. Keep the probes clean.
3. Keep the instrument and battery out of reach of infant and child.
4. When the symbol " ▭ " appears, the battery is low and should be replaced immediately. When you install battery, ensure the polarity connections are correct. If you will not use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

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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PeakTech® 5165

Bedienungsanleitung / Operation Manual

Digital Lux Meter

1. Safety precautions

This product complies with the requirements of the following directives of the European Union for CE conformity: 2014/30/EU (electromagnetic compatibility), 2011/65/EU (RoHS).

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 “BAT” 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 mid 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 newly developed instrument measures the current humidity, as well as the current air temperature installed a set of sensors for fast and accurate evaluation of the measurement results.

2. Features

► 3 1/2-digit 10mm LCD display (max. 1999)
► Automatic backlight
► Lux measurements up to 200,000 lux
► FC (lm / ft²) measurements up to 20000 FC
► Fast measurement rate of 1.5 measurements / second
► Rugged and compact housing design
► Data hold

3. Specifications

Display	LCD with automatic backlight	
Measurement Range	2000 Lux 2000 to 20000 Lux 20000 to 200000 Lux	
Resolution:	1 Lux (2000) 10 Lux (20000) 100 Lux (200000)	
Sample rate	1.5 x Second, typically	
Accuracy	< 10k Lux	+/- 4 % rdg.
	> 10k Lux	+/- 5 % full Scale
	calibrated to standard incandescent lamp at color temperature 2.856 K	
Low Battery Indication	Symbol “ ▭ “ shown in the display	
Auto Power Off	After 10 Minutes	
DATA-HOLD	Holds measurement value in display	
Power Supply	9V battery, 6F22 or equivalent	
Operating Environment	0°C ~ 50°C; <80% RH	
Storage Environment	-10°C ~ 50°C; <70% RH	
Size (WxHxD)	55 x 155 x 35mm	
Weight	120g	

4. Panel Description

1) Light Sensor / Photo Diode
2.) ON - Power switch
3.) Range Switch
4.) MAX/MIN, HOLD-Switch
5.) Brightness sensor (backlight)
6.) Measured 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
HOLD	Data-Hold: Keeps the current value in display
MAX	Display keeps highest maximum value
MIN	Display keeps the lowest minimum value
200 2000 20000 200000	Selected measurement range
LUX	Measurement unit of the luminosity in Lux
FC	Measurement unit of the luminosity in Lumen / Square Feet (lm/ft²)

5. Operating Instruction

1. Press the "ON" button once to turn on the unit.
2. Select the desired measurement range with the option key (3) on the device's side.

The three possible measurement ranges are:

Range	Display	resolution
0 … 2000	LUX	1 Lux
20000	x10 LUX	10 Lux
200000	x100 LUX	100 Lux

After the desired measuring range is selected, you can start your measurements. If the indicating overflow "I" appears, the luminosity is higher than the selected measuring range. If necessary, switch the measuring range again until a measurement is displayed.

5.1 Messurment in lm/ft²

1. Press and hold the "Range" button while pressing the "ON" button once to switch the device on and change to lm/ft² at the same time.
2. Select the measuring range with the RANGE-key (3) on the side of the unit

The three possible measurement ranges are:

Range	Display	Resolution
0 … 200	FC	0.1 FC
2000	x10 FC	1 FC
20000	x100 FC	10 FC

Note: 1 lm/ft² is approx. 10.764 Lux

After the desired measuring range is selected, you can start your measurements. If the indicating overflow "I" appears, the luminosity is higher than the selected measuring range. If necessary, switch the measuring range again until a measurement is displayed.

To switch back to the LUX mode, turn the power off again, hold down the RANGE button again and turn the unit back on by simultaneously pressing the ON key.

6. Performing Measurement

General:

1. To "freeze" the current reading, press "MAX / MIN - HOLD" button. The display stops updating the measured values and displays the "HOLD" symbol.
2. Press the "MAX / MIN - HOLD" button again to switch to the maximum value mode. The meter is now renewed only if the current measured value exceeds the highest previous reading.
3. Press the "MAX / MIN - HOLD" button again to switch to the minimum value mode. The meter is now renewed only if the current measured value is lower than the previous reading.
4. 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

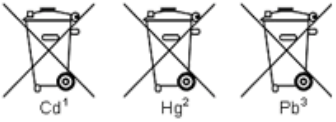
1. Keep the instrument dry.
2. Keep the probes clean.
3. Keep the instrument and battery out of reach of infant and child.
4. When the symbol " ▭ " appears, the battery is low and should be replaced immediately. When you install battery, ensure the polarity connections are correct. If you will not use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

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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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 mid 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.

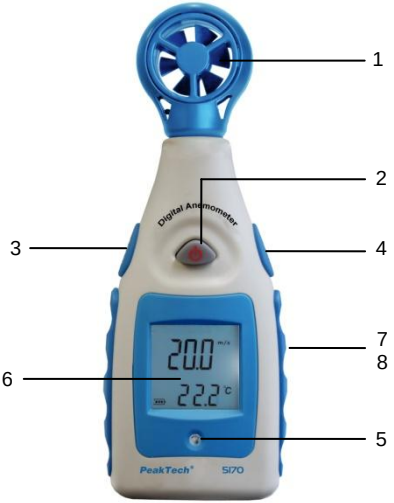
2. Features

- ► 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

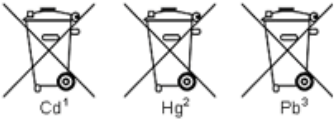
1. Keep the instrument dry.
2. Keep the probes clean.
3. Keep the instrument and battery out of reach of infant and child.
4. When the symbol " ▭ " appears, the battery is low and should be replaced immediately. When you install battery, ensure the polarity connections are correct. If you will not use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

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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Bedienungsanleitung / Operation Manual

Digital Schalpegelmessgerät / Digital Sound Level Meter

1. Safety precautions

This product complies with the requirements of the following directives of the European Union for CE conformity: 2014/30/EU (electromagnetic compatibility).

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 “BAT” 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 mid 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 compact sound level meter is designed for the measurement of sound sources in decibels by A-weighting (dBA), which is based on the human ear.

2. Features

- ► 3 1/2 digit 10mm LCD display (max. 1999)
- ► Fast (125 ms) and Slow (1 s) measurement sequence
- ► Sound Level dBA rate
- ► Maximun value measurement
- ► Minimum value measurement
- ► Acoustic and visual alarm function in excess of a user-defined sound level in dB
- ► Rugged and compact housing design
- ► Suitable for measurements according IEC651 Type 2 & ANSI S1.4 Type 2

3. Specifications

Display	5-digit LCD
Measurement Range	40 dB bis 130 dBA
Weighting	dBA
Frequency Range	31.5 Hz … 8.5 kHz
Linearity	50 dB
Measuring Rate	Fast (125 ms) Slow (1 s)
Accuracy	+/- 1.5 dB
Microphone	½ in – Electret Condenser
Self calibration time	10 Sek. (every power on)
Low Battery Indication	Symbol “▭“ shown in the display
Auto Power Off	Off /After 10 Minutes
Power Supply	9V battery, 6F22 or equivalent
Operating Environment	0°C ~ 40°C; 10 … 80% RH
Storage Environment	-10°C ~ 60°C; 10 … 70% RH
Size (WxHxD)	55 x 150 x 35mm
Weight	160g

4. Panel Description

1) Wind shield / microphone
2.) ON/OFF - Power switch
3.) Fast/Slow Switch
4.) MAX/MIN Switch
5.) LED for Alarm function
6.) 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
FAST	Fast time weighting
SLOW	Slow time weighting
OVER	Over-range indication
MAX	Display keeps highest maximum value
MIN	Display keeps lowest minimum value
OFF	Auto-Power-Off deactivated
dBA	Measurement unit Decibel in A-weighting

5. Operating Instruction

1. Press the "ON" button once to turn on the unit.
2. Select the measurement functions with the selection buttons on the device side.

The four possible functions are:

Function	Description
Fast	Fast time weighting with 125 ms, which also shows short sound bursts
Slow	Slow time weighting with 1 second, which shows an average sound value over the second. Suitable for wobbling sound levels
Max	Maximum value measurement
Min	Minimum value measurement

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

6. Performing Measurement

General:

1. Turn off the machine using the ON button (2).
2. Press the "FAST / SLOW" button (3) to switch the desired term evaluation.
3. Press the "MAX / MIN" button (4) to switch to the maximum value mode. The meter is now renewed only if the current measured value exceeds the highest previous reading.
4. Press the "MAX / MIN" button (4) again to switch to the minimum value mode. The meter is now renewed only if the current measured value is less than the lowest previous reading
5. Press the button (4) again to switch back to the normal measurement mode.

Automatic Power Off

If the device is not used, it automatically turns off after 10 minutes.

For continuous measurements, the automatic shutdown can be disabled:

1. Turn off the unit (if necessary) with the ON button (2)
2. Turn on the unit again with the ON button (2) and hold the button for about 5 seconds while the device starts
3. The system displays the $\mathcal{O}_{OFF}$ symbol in the display for a second
4. Release the ON button (2) and turn the power off again
5. The next time the device is switched on, the $\mathcal{O}_{OFF}$ icon appears in the display

7. Alarm dB function

1.) Press "⏻"-key to power on. Press the "MAX/MIN" –key 3 times, LCD display "OVER". The unit is into MAX, alarm mode (Fig. 4).

When the sound level will be detect over the set value, the unit will alarm & LED flash (01 = alarm mode) or only LED flash (02 = alarm mode). Alarm will stop continue 15 seconds. After stop 5 seconds. If unit detect the sound level over set value, the unit will alarm again. In this mode the unit will not automatic power off. Press "MAX/MIN"-key again cancel alarm mode. See Fig. 5.

fig 5

fig 6

fig 7

fig 8

2.) Alarm Set the dB value and select the alarm mode:

Press the " MAX/MIN" button to turn the unit on.

Press the "MAX/MIN" button twice, then press and hold the MAX/MIN button until the display shows a stable value.

Press the "FAST/SLOW" button to set the alarm value (40-130dB) to increase the alarm values of 0.1dB. Continuous pressing increases the value in 1dB steps.

Press „MAX/MIN“-key to confirm.

3) Select the alarm mode

To select the alarm mode, press the "MAX/MIN" button 2 times, then press and hold the MAX / MIN button until the display shows a stable value. Then press the "FAST/SLOW" button to select the alarm mode.

• "01" Alarm mode: audible and visual signal

• "02" Alarm mode: only visual signal (flashing LED)

Press the "MAX / MIN" button and leave this mode, see Fig. 8.

8. Battery Replacement

If the sign "▮" appears on the LCD display, it indicates that the battery should be replaced. Remove screws on the back cover and open the case. 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

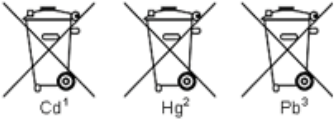
1. Keep the instrument dry.
2. Keep the probes clean.
3. Keep the instrument and battery out of reach of infant and child.
4. When the symbol " ▭ " appears, the battery is low and should be replaced immediately. When you install battery, ensure the polarity connections are correct. If you will not use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

8.1. 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.

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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