

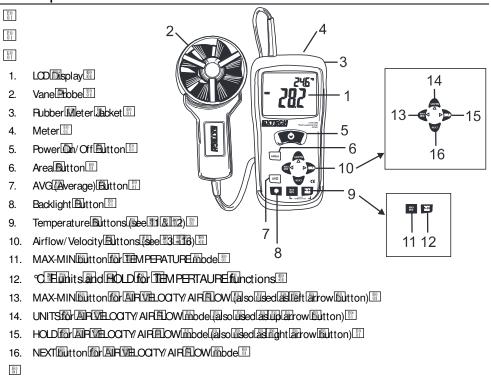
E0 01 CFM/CMM Thermo Amemometer 🗄



Introduction

Congratulations on your purchase of the Extech AN 100 CPM/OMM Thermo Anemometer. This instrument The sures Air Velocity, Air How Wolume) and Temperature. The large, Easy-to-read backlit COD The Undes primary and Secondary Asplays puscific merous status indicators. The III meter Schipped fully test ed and Calibrated and With Proper Use Will provide years of Teliable service.

Descriptions



- Seeliext Section for additional Reypad Secription Information.
- Battery@mpartment@located@n@ar@linstrument,@bberlineterjacket@ust@el@moved@linaccess@attery@mpartment@
- E0 01

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Keypad 🗄

MAX/MIN[for Airflow/Air Welocity] Used for fear and store file fighest, for west and average airflow of velocity feadings.

UNITS Press to select the model of operation. In POW mode, the meter displays at volume. In POW mode, the meter displays at volume.

▲ (UP) also serves as increase in mber button in AREA in bde.

AVGUsed to Average multiple readings and COTY mode. Do to 20 readings and Se averaged.

HOLD Press to freeze the displayed reading. Press again to binlock display. This button aso functions as the ▶ RGHT scroll button har Ambde and PECALL mode.

TAREA Press and hold to manually enter the area of a buct in the Mori OMM inde

INEXT IM AREA Imbde, is sed to select imemory incations II-8.

Experies fol furn the backlight on/off

MAX/MIN (Temperature) 🖾 Used for Ecord and Store the Mighest, Swest Feadings for Far 🗊 temperature.

CHOLD (Temperature) Press to freezel the displayed temperature leading. Press again to in unlock the display. Press and field for a second stols witch between Cand F Meter will beep in twice for indicate leading.

The Battery compartment is located on the Back of the Instrument. The Rubber protective facket II must be removed from the meter to laccess the compartment. III

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Display



- MAX(toploiltOD): Max Hold function Engaged for the Air Temperature function
- HOLD (top bill CO): Data Hold function agged for the Air Temperature function
- VE: indicates that meter is in air velocity in bde
- RLOW: Indicates that ineter is in law indecit
- HOLD (bottom of 100): Data Hold for the IF Temperature function and Helf function
- CFM/OMM: arflow whits of limeasure
- R², m²: mits for area dimensions
- m/s,ft/min,kth/h,MPH,kthots:alvelocitythitsoffmeasure
- X10, X100: Multipliers for ar flow readings
- AVG: ar averaging mode
- BECORD: indicates that inin/max function is funning (top for temp, bottom for lair)

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- Snaller IOD digits at top, Hight of display for Probe Temperature

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Operation

Connecting the Vane 1

- 1. The vane blug minserted mithe meter's sensor fack at the top of the meter. The blug and fack in are keyed so that the blug can bright mithe fack one way.
- 2. Turnthelplugtarefullylintillillinestip withthelpdkländthenthmlylplishthelplugtilliplace.
- 3. If the vane who the net editor the meter of the sensor where the top of the top of the top of the sensor where the top of the sensor of the

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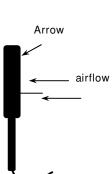
Air Welocity Measurements Angle Point)

- Side view of Vane
- 1. Turn & the meter & ing the ON OFF C & ton.
- 2. PressUNITSBUtton folselect the desired unit of measure.
- 3. Placethelsensor in the air stream. Ensure that the lair enters in the vane as indicated by the arrow sticker placed inside the vane.
- 4. Viewthe readings on the LOD Display. The large main LOD display shows the Air Velocity reading. The lapper right LOD sub-display shows the temperature reading.

Air Welocity Averaging Mode

- 1. Tolehter 20 Point Averaging Mode, press and Pold the AVG Button antil Mode ps fivice. The AVG fiber will Belatsplayed.
- 2. Take all measurement and press the AVG Button. All ingle Beep Will Sound and the ADLD Bon Will appear in the display.
- 3. The laverage leading will be displayed and humber of leadings measured will appear in the supporting the fand obreast of the display. After 55 seconds, the display will be unifold the durrent seading.
- 4. Repeat steps 213 Lintil the desired humber of points have been measured.
- 5. Toleturn folstandard elocity measuring model press and model average twice.
- Note: In the standard velocity measuring in bde, press the AVG Button once to recall the in previous average. The average will be deared when you anter the Averaging Mode again.

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- 1. Turn Sh the meter Sing the ONN OFF Sutton
- 2. Pressthe UNITS Button folselect the desired air flow units: OMM (cubic the ferminute). NOTE: A power of the meter will display the last onit of the measure previously intered.
- 3. Tollegin entering the area in information of the AREA in button intil the pstwice. The left most of git of the Editor in display will begin to frash.
- 4. Useffle I (UP) Button foldbangefflefflashing bigit

Useffie (IET) Button folmove fieldecimal

Use 📕 (FIGHT) Button fölselect fihe löther bigits.

After all of the langet state and the state of the state

5. Placeffielsensor inifielar stream. Ensure that the area ters the Vane as indicated by the inarrow sticker placed inside the Vane. Refer to the diagram. The large inain LOD as play in shows the Lar Velocity reading. The lapper light LOD sub-display shows the temperature in reading.

The meter fras 16 memory facations (8 for CFM and 8 for CMM) that Can be used for store in commonly used area sizes that you Can fecal at any time.

- 1. Pressthe AREA Button Until Meter Beeps Wice. A Memory Bocation Bumber Will Appear B III the Bop Bight of the Bisplay indicating the Memory Bocation.
- 2. PushthelNEXTButtontolscrollthrulandselect theldesired location. Oncelyouthave selected in the desired memory location intervour dimension in

Uselfhe 🖾 (UP) Button fölchangelfhelflashing bigit 🖾

Use the CEFT) Button to move the decimal

Use CGHT) Button folselect fhelither bigits After all of the bigits are bit ered, press and fold the AREA Button buttil fibe ps fivice) folse ve fibe area into imemory and fet urn fol and CFM of CMM imeasuring indec.

To Select and Esela previously & ored & mension, press and foold the AREA (50 tton bit il) beeps twice.

Press NEXT to scroll thru the Simemory focations. Press and foold the AREA Button antil Mbeeps Ttwice to Let un to Let March Mineasuring fibde.

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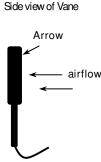
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Air How Averaging Mode

- 1. Tolehter 20 Point Averaging Mode, press and Pold the AVG Button Bhtil Beeps Wice. The Park AVG Bon Will Be Bisplayed.
- 2. Take a line as uncertained press the AVG button. A single beep will sound and the HOLD from mill appear in the display.
- 3. The laverage lie ading will be displayed and humber of lie adings the asured will appear in the mupper light finand abrer of the display. After Steeconds, the display will liet urn to the aurrent meading.
- 4. Repeat steps 2 3 mini til the desired humber of points have been measured.
- 5. Toleturn tolstandard alflow measuring mode press and fold AVG button in til meter beeps in twice.
- Note: In the Standard Velocity Ineasuring Inde, press the AVG Button Ince I Direcall the Inprevious Average. The Average Will be deared when you inter the Averaging Mode again.

Data Hold Air Velocity/Air How)

- 1. While taking measurements, press the HOLD Button to freeze the ar velocity/air flow in reading.
- 2. The BOLD indicator will appear in the Bottom of the COD of splay.
- 3. Press HOLD again foldet urn fold ormal operation.

MAX/MIN/AVGECord @Air Welocity/Air How) (

This allows the liser to record and view the highest (MAX), lowest (MIN) and average (AVG) in readings.

- 1. Pressfile <u>Airflow/Velocity</u> MAX/MIN <u>Bitton</u>. The MAX indicator <u>and PECOPD</u> indicator <u>abong</u> with file Max <u>mading</u> will <u>appear</u> on <u>the EOD</u> as play and file <u>meter</u> will <u>Begin</u> keeping <u>frack of the MAX</u>, <u>MIN and Average</u> walues.
- 2. Press MeMAX MIN Button again Divew Meminimum Leading. The MIN Midicator along with the Minimum Leading Will appear on the LOD Asplay.
- 3. Pressthe MAX/MINBUtton again for whether age meading. The AVG modicator along with the average meading will appear on the LOD of splay.
- 4. Press the MAX/MIN Button again to a splay Burrent Badings. NOTE the meter will Reep Trecording MAX/MIN/AVG Badings.
- 5. ToletearlandstopIMAX/MIN/AVGrecordinglandleturnfoldormal@peration,@ressandledldin theIMAX/MINIbilitionImitilfhelineterbeepsfwice.

Automatic Bower OFF

The meter automatically furns off after 20 minutes. To be feat this feature:

- 1. Turn the meter OFF.
- 2. Pressaddfioldfhel CalBacklight) Key While furning fhe Meter ON.
- 3. "dis APO" will appear althe asplay. The AUTO POWER OF feature will now be asabled.
- 4. Note that AUTO ROWER OFF Blie enabled Each fine the meter is furned on .
- 5. Also Bote Bat AUTO POWER OF BUS sabled BUG M/OMM & Average Bode.

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Battery Replacement III

When Depears on the EOD, the Whattery must be replaced.

- 1. Disconnect the sensor.
- 2. Pemovethelmeter's hubber protective packet
- 3. Use al Hillips Screwdriver to lopen the tear battery compartment
- 4. Replace the 9V Battery
- 5. Ooselfhelbatterylcompartment and leplaceffhelmeter's protective facket

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You, as the end user, are legally bound (EU Battery ordinance) to return all used batteries, disposal in the household garbage is prohibited! You can hand over your used batteries / accumulators at collection points in your community or wherever batteries / accumulators are sold!

Disposal: Follow the valid legal stipulations in respect of the disposal of the device at the end of its lifecycle

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WARNING: Tolaloid electric shock, and the perate the meter antil the battery over is in place and the securely.

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