

TRACEABLE[®] DIGITAL ANEMOMETER INSTRUCTIONS

SPECIFICATIONS

Display: 4 digit LCD, 3/8-inch high
Range: 40 to 7800 Feet per Minute (FPM)
0.20 to 40.00 Meters per Second (MPS)
Accuracy: ±1% of the reading
Resolution: 1 Foot per Minute (FPM)
0.20 Meters per Second (MPS)
Failsafe: Low battery indicator
Power: 2 each AA alkaline batteries

FRONT PANEL QUICK REFERENCE

FPM MPS	Selects reading to be displayed in Feet per Minute or Meters per Second.
HIGH LOW	Displays the highest and lowest readings achieved.
2 SEC	Selects 2 second average measuring rate.
16 SEC	Selects 16 second average measuring rate.
HOLD	"Freezes" the display at the current reading.
ON/OFF	Turns the unit on and off.

OPERATION

Attach the cable to the vane and to the unit. Note: The cable and connectors are keyed, do not insert the cable incorrectly and force it.

Attach the handle to the vane using the extensions and flexible rod as needed.

Press the ON/OFF button to turn the unit on. When the meter is turned on, all segments will be displayed (Display Check). After the Display Check, the meter will display "bAXX" (Battery Status, XX is the percentage of battery power remaining, "bA95" indicates that the batteries are at 95%). After the Battery Status, the unit will display "2.75" (Vane Check), indicating that the 2.75" vane is connected to the unit.

Press the FPM/MPS button to display the desired measurement. FPM will appear on the display when Feet per Minute has been selected. MPS will appear on the display when Meters per Second has been selected.

Place the anemometer vane into the air flow and read the measurement on the display. Note: Do not expose the anemometer vane to liquid.

Press the ON/OFF button to turn the unit off. To conserve battery life, always turn the unit off when not in use.

AVERAGE MEASURING RATE (2 SEC/16 SEC)

By pressing the 2 SEC button, the unit will display the actual air speed every two seconds. When turned on, the unit defaults to the 2 Second Average Measuring Rate. By pressing the 16 SEC button, the unit will indicate the arithmetic average air speed over eight (8) measurements of two (2) seconds. At the first press of the 16 SEC button, the measuring average time will start and the unit will display "16 5" for the first 16 seconds. After the initial 16 second period, the unit will display the running 16 second average updating the display every 2 seconds.

MEMORY RECALL

High and Low measurements are stored as "peaks" and "valleys". The measurements are not captured until the air speed increases/decreases. In order to prevent the Low from always being zero (0), the Low measurement is equal to the High measurement until the air speed begins to decrease. (IE: There is no Low measurement until a "peak/valley" has occurred.) When the vane is withdrawn from the air stream, the Low measurement is the lowest "valley" recorded prior to the display going directly to zero.

The High/Low measurements can be displayed in both the 2 Second and 16 Second Average Measuring Rate.

1. To display the High/Low measurements for the 2 Second Average Measuring Rate, press the 2 SEC button and then the HIGH/LOW button once, the display will flash "H 2" and then the highest measurement achieved since the unit was turned on.

2. With a second press of the HIGH/LOW button the display will flash "L 2" and then the lowest measurement achieved since the unit was turned on.
3. Each successive press of the HIGH/LOW button toggles between the highest and the lowest measurement readings.
4. To display the High/Low measurements for the 16 Second Average Measuring Rate, repeat steps 1 and 2 pressing the 16 SEC button instead of the 2 SEC button.
5. To return the display to the current reading, press the 2 SEC button.
6. Turning the unit off will reset the High/Low measurements.

HOLD

Press the HOLD button to "freeze" the display at the current reading, "HOLD" will appear on the display. After the reading has been recorded, press the HOLD button to return to the current reading, "HOLD" will no longer appear on the display.

Note: The High/Low Memory will continue to record while in the Hold mode.

ALL OPERATIONAL DIFFICULTIES

If this anemometer does not function properly for any reason, please replace the batteries with new high quality batteries (see "Battery Replacement" section). Low battery power can occasionally cause any number of "apparent" operational difficulties. Replacing the batteries with new fresh batteries will solve most difficulties.

BATTERY REPLACEMENT

appearing on the display indicates that the batteries should be replaced. To replace the batteries, remove the battery cover located on the back of the unit. Remove the exhausted batteries and replace them with new AA alkaline batteries. Replace the battery cover.

WARRANTY, SERVICE, OR RECALIBRATION

For warranty, service, or recalibration, contact:

CONTROL COMPANY

4455 Rex Road

Friendswood, Texas 77546 USA

Ph. 281-482-1714 Fax 281-482-9448

E-mail sales@control3.com

www.control3.com

Control Company is ISO 9001 Quality-Certified by DNV and ISO 17025 accredited as a Calibration Laboratory by A2LA.