

HYGRO-THERMOMETER ANEMOMETER DA40H

Model DA40H (Digital Hygro-Thermometer Anemometer) is a versatile instrument for measuring air velocity, temperature, and relative humidity. Special features include being switchable between Feet Per Minute (FPM) and Meters Per Second (MPS). Also, the temperature reading is switchable between °F and °C. Included is a hold/reset button so that the display can be frozen when recording readings. Also, it can indicate the average, minimum, and maximum readings. This instrument is a must for anyone in the heating, ventilation, and air conditioning industry. Specific applications include environmental, paint booths, air balancing, and many others where accurate air velocity, temperature, and relative humidity measurements are essential.

Features:

- Due to use of microprocessor, very high accuracy
- Digital memory for Maximum and Minimum values
- Average measurements over two or sixteen seconds for air velocity
- Display switchable in °C or °F for temperature and m/s (MPS) or ft/min (FPM) for air velocity
- Display hold for easy reading of measurements
- Long battery life



Specifications

Ranges:

Air Velocity: Probe AP275: 40 to 7800FPM (0.2 to 40.00MPS)
Probe AP100: 60 to 6800FPM (0.3 to 35.00MPS)

Temperature (Using combination
HTP201 probe):

Temperature (Using separate temperature
Probe): -139° to 392.0°F (-95.0° to 200.0°C)

Accuracy:

Air Velocity: ±1% of reading ±1 digit
Temperature: ±0.3% of reading ±1 digit

Relative Humidity (%RH): $\pm 2\%$ RH ± 1 digit

Resolution:

Air Velocity: 1FPM or 0.01 MPS
Temperature: 0.1°F or °C (1°F below -99.9°F)
%RH: 0.1% RH

Response Time:

Temperature: Approximately 60 seconds
%RH: Up to 90% of change in measured value in 15 seconds

Display: 0.5" 4 digit LCD display

Operating Temp:

Instrument: 32°F to 125°F (0°C to 50°C)
Air Velocity Probes: -4°F to 210°F
HTP201: -4°F to 176°F

Power Supply: 2 AA alkaline batteries (Eveready E91)

Battery Life: Approximately 200 hours

Battery Check: Automatic low battery display

Dimensions:

Instrument: 7.1" x 3.0" x 0.8"
Probe AP275: 2.75" diameter
Probe AP100: 1.0" diameter
Probe HTP201: 7" x 1" diameter

Weight: 8 Ounces with batteries

Optional:

- i. Ni-Cad rechargeable battery and charger PN CG-4
 - ii. Additional air velocity probe PN APT100/APT275
 - iii. Additional relative humidity/temp probe PN HTP201
 - iv. Extra extension rods PN 5001
 - v. Extra flexible rods PN5002
 - vi. DA40 extension cable PN 3835
 - vii.

Separate temperature only probes:PT201S Immersion Probe
PT202S Air Probe
PT203S Surface Probe

Unit Comes complete with:

1 pc. vane type probe head, your choice of either AP275 or AP100
1 pc. HTP201 combination temperature & relative humidity probe

2 pcs. Extension rods PN 5001 and 1 pc. with handle grip PN 5003
1 pc. flexible rod PN 5002
1 pc. 5' connecting cable PN 3834
note: cable attached to AP100 probe
2 pcs. AA 1.5V alkaline batteries PN 3309
1 pc. Carrying Case PN 6004

THERMO-ANEMOMETER DA40T

Model: DA40T



Specifications

Ranges:

Air Velocity: Probe APT275: 40 to 7800FPM (0.2 to 40.00MPS)
Probe APT100: 60 to 6800FPM (0.3 to 35.00MPS)

Temperature (Using either air velocity probe head): -22° to 212°F (-30° to 100°C)

Temperature (Using separate temperature Probe): -139° to 392.0°F (-95.0° to 200.0°C)

Accuracy:

Air Velocity: $\pm 1\%$ of reading ± 1 digit
Temperature: $\pm 0.3\%$ of reading ± 1 digit

Resolution:

Air Velocity: 1FPM or 0.01 MPS
Temperature: 0.1°F or $^{\circ}\text{C}$ (1°F below -99.9°F)

Display: 0.5" 4 digit LCD display

Operating Temp:

Instrument: 32°F to 125°F (0°C to 50°C)
Probe heads: -22°F to 212°F (-30°C to 100°C)

Power Supply: 2 AA alkaline batteries (Eveready E91)

Battery Life: Approximately 200 hours

Battery Check: Automatic low battery display

Dimensions:

Instrument: 7.1" x 3.0" x 0.8"
Probe Head 275: 2.75" diameter
Probe Head 100: 1.0" diameter

Weight: 8 Ounces with batteries

Optional:

- i. Ni-Cad rechargeable battery and charger PN CG-4
 - ii. Additional air velocity probe PN APT100/APT275
 - iii. Extra extension rods PN 5001
 - iv. Extra flexible rods PN5002
 - v. DA40T extension cable PN 3837
 - vi.

Separate temperature only probes:PT201T Immersion Probe
PT202T Air Probe
PT203T Surface Probe

Unit Comes complete with:

1 pc. vane type probe head, your choice of either APT275 or APT100
2 pcs. Extension rods PN 5001 and 1 pc. with handle grip PN 5003
1 pc. flexible rod PN 5002
1 pc. 5' connecting cable PN 3836
note: cable attached to APT100 probe
2 pcs. AA 1.5V alkaline batteries PN 3309
1 pc. Carrying Case PN 6004

DIGITAL ANEMOMETER - DA40V

Model DA40V (Digital Anemometer) is a versatile instrument for measuring air velocity and calculated air volume flow. Special features include the ability to switch between Cubic Feet Per Minute (CFM) and Cubic Meters Per Hour (CMH) or between Feet Per Minute (FPM) and Meters Per Second (MPS). This includes a hold/reset button so that the display can be frozen when recording readings. Also, the unit can indicate average, minimum, and maximum readings. This instrument is a must for anyone in the heating, ventilation, and air conditioning industry. Specific applications include environmental, paint booths, air balancing, and many others where accurate air velocity, temperature, and relative humidity measurements are essential.

Features:

- Display switchable in m/s (MPS) or ft/min (FPM) for air velocity and cubic ft/min (CFM) or cubic meter/hr (CMH) for calculated air volume flow
- Due to use of microprocessor, very high accuracy
- Digital memory for Maximum and Minimum values
- Average measurements over two or sixteen seconds for air velocity
- Display hold for easy reading of measurements
- Long battery life



Specifications

Ranges:

Air Velocity:	Probe AP275: 40 to 7800FPM (0.2 to 40.00MPS) Probe AP100: 60 to 6800FPM (0.3 to 35.00MPS)
Calculated Air Volume Flow:	0.0 to 9999 ft ³ /min (CFM) or 0.0 to 9999 m ³ /hr (CMH) *

Accuracy:

Air Velocity:	±1% of reading ±1 digit
---------------	-------------------------

Resolution: 1 FPM or 0.01 MPS

Display: 0.5" 4 digit LCD display

Operating Temp:

Instrument: 32°F to 125°F (0°C to 50°C)

Probe Heads: -4°F to 210°F

Power Supply: 2 AA alkaline batteries (Eveready E91)

Battery Life: Approximately 300 hours

Battery Check: Automatic low battery display, battery capacity readout at startup

Dimensions:

Instrument: 7.1" x 3.0" x 0.8"

Probe AP275: 2.75" diameter

Probe AP100: 1.0" diameter

Weight: 8 Ounces with batteries

Optional:

- i. Ni-Cad rechargeable battery and charger PN CG-4
 - ii. Additional air velocity probe PN APT100/APT275
 - iii. Extra extension rods PN 5001
 - iv. Extra flexible rods PN5002
 - v. DA40 extension cable PN 3835

Unit Comes complete with:

1 pc. vane type probe head, your choice of either AP275 or AP100

3 pcs. Extension rods PN 5001 and 1 pc. with handle grip PN 5003

1 pc. flexible rod PN 5002

1 pc. 5' connecting cable PN 3834

note: cable attached to AP100 probe

2 pcs. AA 1.5V alkaline batteries PN 3309

1 pc. Carrying Case PN 6004

*NOTE: When DA40v displays symbols "CUBIC" and "MPS," the units of measurement are CMH, not CMS.
