



DA420TM Thermo-Anemometer



- ✓ High accuracy - $\pm 1.0\%$ of reading
- ✓ Rugged metal probe and vane
- ✓ Intuitive user interface design
- ✓ Ultra low speed sensitivity down to 40 ft/min
- ✓ Industrial grade enclosure and probe
- ✓ Measure airflow in extreme environments from -20° to 100°C
- ✓ Temp measurements from -30° to 100°C
- ✓ Optional Temp probe providing measurement from -95° to 200°C
- ✓ Minimum and Maximum air speed and temp
- ✓ Analog voltage output and Communication options
- ✓ Low power, high performance, RISC microprocessor
- ✓ Advanced software algorithm for precise probe calibration

The Pacer DA420 Rotating Vane Anemometer is a high quality instrument providing highly accurate air velocity and temperature measurements in harsh environments via a user-friendly & intuitive interface. Applications include indoor air quality, process control, flow hood monitoring, and many other applications where precise air flow and temperature measurement is required.



DA420TM Thermo-Anemometer

SPECIFICATIONS

Ranges

Air Probe APT275: 40 to 7800 FPM (feet per minute)
0.2 to 40.00 MPS (meters per second)

Air Probe APT100: 60 to 6800 FPM
0.3 to 35.00 MPS

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

Temperature (using optional temperature probe):
-139° to 392°F (-95° to 200°C)

Accuracy

Air Velocity: $\pm 1.0\%$ of Reading ± 1 digit
Temperature: $\pm(0.3^{\circ}\text{C} + 0.2\%$ of reading in $^{\circ}\text{C}$)
temperature accuracy examples: $\pm 0.3^{\circ}\text{C}$ at 20°C
 $\pm 0.5^{\circ}\text{F}$ at 68°F

Resolution

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

Display

0.5" LCD, 4 digits, with LED backlight

Operating Temp

Instrument: 32° to 125°F / 0° to 50°C
Air Probe: -4° to 212°F / -20° to 100°C

Power Supply

3 AA alkaline batteries

Battery Life

Approximately 150 hours

Dimensions

Instrument: 6.5 inch X 3.25 inch X 1.5 inch
Probe APT275: 2.75 inch diameter
Probe APT100: 1 inch diameter

Instrument Options Available

- Protective Rubber Boot and Splash-Proof Seal
- USB communications
- RS232 communications
- Analog 0-5 Volt output
- Additional Probe PN APT100 or APT275
- Extra extension and/or flexible rods
- Custom cable lengths
- Immersion RTD temperature probe
- Surface RTD temperature probe
- Air RTD temperature probe

DA420 comes complete with

- 1 pc. rotating vane probe head with temperature sensor: APT275 or APT100
- 3 pc. extension rod w/ handle grip
- 1 pc. flexible rod
- 1 pc. 5' connecting cable
note: cable attached to APT100 probe
- 3 pc. AA 1.5 V alkaline batteries
- 1 pc. carrying case



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