



DA420™ Thermo-Anemometer



- ✓ High accuracy: $\pm 1.0\%$ + 1 digit of reading
- ✓ Rugged metal probe and vane
- ✓ Intuitive user interface design
- ✓ Ultra low speed sensitivity down to 50 ft/min
- ✓ Industrial grade enclosure and probe
- ✓ Measure airflow and temperature in extreme environments from -20° to 100°C
- ✓ Minimum and Maximum air speed and temp
- ✓ Analog voltage output and USB or RS232 Communication options
- ✓ Low power, high performance, RISC microprocessor
- ✓ Advanced software algorithm for precise probe calibration

The Pacer Instruments 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.

**Pacer Instruments
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**Pacer Calibration and Service
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SPECIFICATIONS

Ranges

Air Probe APT275: 50 to 7800 FPM (feet per minute)
0.25 to 40.00 MPS (meters per second)

Air Probe APT100: 300 to 6890 FPM
1.5 to 34.50 MPS

Temperature (using either air velocity probe head):
-4° to 212°F (-20° to 100°C)

Accuracy

Air Velocity:

2.75" Probes: ±1.0% of Reading ±1 digit

1.00" Probes: ±0.50% F.S. + 0.75% Reading + 1 digit

Temperature: ±(0.3°C + 0.2% of reading in °C)

temperature accuracy examples: ±0.3°C at 20°C
±0.5°F at 68°F

Resolution

Air Velocity: 1 FPM or 0.01 MPS

Temperature: 0.1°F or °C

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 or RS232 communications
- Analog 0-5 Volt output
- Additional Probe PN APT100 or APT275
- Extra extension and/or flexible rods
- Custom cable lengths (stocked in 5ft increments)
- Immersion and Penetration RTD temperature probes
- 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. 10" extension rod w/ handle grip
- 1 pc. f10" lexible rod
- 1 pc. 5' connecting cable
Note: cable attached to AP100 probe
- 3 pc. AA 1.5 V alkaline batteries
- 1 pc. carrying case and manual
- NIST-Traceable Calibration Certificate



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