



**KANOMAX**  
The Ultimate Measurements

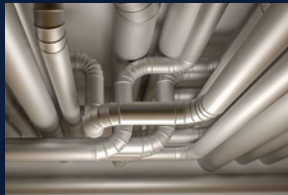
## ROTATING VANE ANEMOMETER ANEMOMASTER™ 6820 SERIES

**Extremely high accuracy airflow  
velocity readings**

The Anemomaster™ Rotating Vane 6820 Series of anemometers offers a range of highly accurate airflow measuring devices. Models include industrial grade enclosure and probe. They automatically calculate volume flow in CFM (cubic feet per minute) or CMH (cubic meters per hour). When measuring ducts dimensions are stored in memory on turn-off and do not need to be re-entered. These vane anemometers can store up to 10 different commonly-used duct sizes for quick, convenient readings in the field. Models also available for airflow/temperature and airflow/temperature/humidity.

### Applications

- ⦿ HVAC Testing
- ⦿ Laboratory Control
- ⦿ Critical Environment Certification
- ⦿ IAQ Investigations



## FEATURES AND BENEFITS

- ⦿ High Accuracy: +/- 1.0 % of reading.
- ⦿ 40 fpm of air velocity sensitivity.
- ⦿ Temp. measurements from -22 to 212F.
- ⦿ Three output options available:
  - Analog voltage
  - USB
  - RS232
- ⦿ Rugged metal probe and vane.
- ⦿ This is a high quality instrument which provides accurate air velocity and volume flow measurements in the harshest environments.
- ⦿ The user can easily enter the size of the duct opening and the 6822 automatically calculates the volume flow rate from the duct.
- ⦿ The duct size is automatically stored in memory on turn-off and up to 10 unique duct sizes can be stored and recalled for frequent use.



# PRODUCT SPECIFICATIONS

| FEATURE                  |                      | VALUE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                    |                          |
|--------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|--------------------------|
| Model                    |                      | 6822                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 6824                               | 6825                     |
| Air Velocity             | Probe AP275          | 40 to 3900 FPM (0.2 to 20 m/s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                    |                          |
|                          | Accuracy             | ± 1.0% of Reading ± 1 digit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                    |                          |
|                          | Resolution           | 1 FPM or 0.01 m/s                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                    |                          |
| Temperature              | Air Vel. Probe       | –                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | -22 to 212°F (-30 to 100°C)        |                          |
|                          | Optional Temp. Probe | –                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | -139 to 392°F (-95 to 200°C)       |                          |
|                          | Accuracy             | –                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ± (0.3°C+ 0.2% of Reading in °C)   |                          |
|                          | Resolution           | –                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0.1 F or 0.1°C (1 F below -99.9°F) |                          |
| Relative Humidity        | Range                | –                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                    | 5.0 to 95.0 %RH          |
|                          | Accuracy             | –                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                    | ±2.0 %RH                 |
|                          | Resolution           | –                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                    | 0.1 %RH                  |
| Display                  |                      | 0.5 inch LCD, 4 digits with LED Backlight                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                    |                          |
| Operating Temperature    |                      | Instrument: 32 to 125°F (0 to 50°C)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                    |                          |
|                          |                      | Probe: -4 to 212°F (-20 to 100°C)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                    |                          |
| Power Supply             |                      | 3 AA Alkaline Batteries                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                    |                          |
| Operating Time (Battery) |                      | Approximately 150 hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                    |                          |
| Dimensions               | Instrument           | W 3.2 x D 1.5 x H 6.5 inches (8.2 x 3.8 x 16.5 cm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                    |                          |
|                          | Probe AP275          | 2.75 inch diameter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                    |                          |
|                          | RH/Temp Probe        | –                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                    | 6 inch x 1 inch diameter |
| Standard Accessories     |                      | <ul style="list-style-type: none"><li>• 1 x Rotating Vane Probe Head (AP275)</li><li>• HTP 201 combination RH / Temp Probe (available for 6825)</li><li>• Extension Rod w/ Handle Grip, Flexible Rod</li><li>• 3 x AA 1.5V Alkaline Batteries, Operation Manual, Carrying Case</li></ul>                                                                                                                                                                                                                                    |                                    |                          |
| Optional Accessories     |                      | <ul style="list-style-type: none"><li>• Protective Rubber Boot and Splash-Proof Seal</li><li>• USB Communications</li><li>• RS232 Communications</li><li>• Analog Oto 5 Volt output</li><li>• Additional AP275 Probe</li><li>• Extra extension and/or flexible Rods</li><li>• Custom Cable Lengths</li><li>• Immersion RTD Temperature Probe (available for 6822 and 6825)</li><li>• Surface RTD Temperature Probe (available for 6822 and 6825)</li><li>• Air RTD Temperture Probe (available for 6822 and 6825)</li></ul> |                                    |                          |

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