

[RVD and RVA+ Rotating Vane Anemometers

The Alnor RVD and RVA+ Rotating Vane Anemometers measure air velocity, air volume, and temperature in English or metric units. The 4-inch (100 mm) head automatically averages velocity and volume readings, making the RVD and RVA+ essential tools for measuring unevenly distributed or fluctuating flows through heating and cooling coils, diffusers, grilles, and filters. A sweep mode quickly and reliably provides one averaged reading of velocity or volume over a large measurement area.

The RVA+ displays temperature and velocity readings simultaneously and has simple button operation. It features an attached swivel head that rotates so the display always faces the operator.

The RVD has a detachable, 4-inch (100 mm) head for taking measurements in tight spaces. Its telescoping probe provides safe access to hard-to-reach locations and its data logging capability allows storage of 999 readings.



RVD

standard 4-in. (102-mm) head of the Alnor rotating vane is an advantage for large area measurements





RVA+

270° rotating head for measuring supply or exhaust flows

comparison chart

	RVD	RVA+
reads velocity	•	•
reads volume	•	•
reads temperature	•	•
interchangeable head	•	
telescoping probe	•	
data logging	•	
optional portable printer	•	

Rotating Vane Anemometers

specifications

		RVD*	RVA+
range	VELOCITY	50–6000 fpm (0.25–30 m/s)	50–6000 fpm (0.25–30 m/s)
	VOLUME	0–2600 x 1000 cfm (0–4360 x 1000 m ³ /hr, 0–1230 x 1000 l/s)	4–5400 x 1000 cfm (6.8–9174 x 1000 m ³ /hr, 1.9–2548 x 1000 l/s)
	AREA	0.007–434 ft ² (0.0001–40 m ²)	0.08–900 ft ² (0.007–83.6 m ²)
	TEMP.	32–140°F (0–60°C)	32–140°F (0–60°C)
resolution	VELOCITY	1 fpm (0.01 m/s)	1 fpm (0.001 m/s under 10.00 m/s, 0.01 m/s otherwise)
	TEMP.	0.1°F (0.1°C)	1°F (1°C)
accuracy	VELOCITY	±1% of reading or ±3 fpm (±0.015 m/s), whichever is greater	±(1% of reading +4 fpm [0.02 m/s])
	TEMP.	±2.0°F (±1°C)	±2.0°F (±1°C)
display		4-digit, 0.6-in. (15-mm) high LCD	4-digit, 0.45-in. (11-mm) high LCD with 2.5-digit, 0.15-in. (4-mm) high temperature indicator
instrument weight		1.5 lb (0.68 kg)	0.82 lb (0.37 kg)
batteries		four AA-size alkaline, approx. 24 hours continuous use or optional AC adapter	four AA-size alkaline, approx. 24 hours continuous use or optional AC adapter

specifications are subject to change without notice.

ordering information

	RVD	RVA+
description	Rotating vane anemometer with detachable, interchangeable head, and telescoping probe. Includes RVD meter, 100-mm head, handle, telescopic extension, alkaline batteries, computer inter- face cable, downloading software, carrying case, operation and service manual, calibration certificate	Rotating vane anemometer with attached swivel head. Includes RVA+ meter, alkaline batteries, operation and service manual, and calibration certificate
u.s. part #	634-150-220	634-150-210
optional parts	8928 MicroPrinter (120V) for RVD 8928-EU MicroPrinter (230V) for RVD AC adapters: 002-613-033 115V, NEMA-5 002-613-078 230V, European CEE 7/16 000-800-169 230, Great Britain 002-613-106 240V, Australian	
for outside u.s.	Please inform Alnor of the country of destination. We will select the correct part numbers depending on local electrical requirements.	



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