

[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 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 detachable, interchangeable heads, including an optional small 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.



comparison chart

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

part

634-150-220
RVD

634-150-210
RVA+

634-250-035
optional 2-in. (50-mm)
head for RVD

638-852-200
MicroPrinter 8522
(120V) for RVD

638-852-210
MicroPrinter 8522
(230V) for RVD

ALNOR
TSI Incorporated

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

*For 50-mm head (small head):

Range: 80 to 6000 ft/min (0.4 to 30 m/s)

Accuracy: ±1.5% of reading or ±5 ft/min (±0.025 m/s), whichever is greater

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	634-250-035 50-mm head for RVD only 638-852-200 Model 8522 portable printer for RVD only 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.