

VANE ANEMOMETER

NAGMAN 292

SALIENT FEATURES

- Measure current wind speed, temperature & humidity
- Measurement of current air volume, temperature & humidity
- Measure wind speed/MAX wind flow / min wind flow
- 2/3 wind flow value/average value
- Wind speed/flow units and temperature units selection
- Measure wind direction angle
- Real time measurement with connection USB with computer software
- Backlight & data holding (HOLD)
- Low battery indication
- Automatic shutdown setting



GENERAL SPECIFICATIONS

Typical Photo: Final Product look may vary

Wind Velocity Range

Unit	Wind Velocity Range	Resolution	Lowest Point of start value	Accuracy
m/s	0.0 to 45.0	0.01	0.3	±3%±0.1
Ft/min	0.0 to 8800	0.01/0.1/1	60	±3%±20
Knots	0.0 to 88.0	0.01	0.6	±3%±0.2
Km/h	0.0 to 140.0	0.01	1	±3%±0.4
Mph	0.0 to 100	0.01	0.7	±3%±0.2

Wind Flow Range

CFM : 0 to 999900 ft3/min

CMM : 0 to 999900 m3/min

Unit	Range	Resolution	Area
CFM (FT3/MIN)	0 to 999900	0.001 to 100	0.001 to 9999 ft2
CMM (M3/MIN)	0 to 999900	0.001 to 100	0.001 to 9999 m2

Unit Conversion

	m/s	Ft/min	Knots	Km/h	Mph
1 m/s	1	196.87	1.944	3.60	2.24
1 ft/min	0.00508	1	0.00987	0.01829	0.01138
1 knots	0.5144	101.27	1	1.8519	1.1523
1 km/h	0.2778	54.69	0.54	1	0.6222
1 mph	0.4464	87.89	0.8679	1.6071	1

Wind Temperature

a. Temperature Range

Unit	Scale	Resolution	Accuracy
°C	0 to 45	0.1	±1.0°C
°F	32 to 113	0.18	±1.8°F

b. Humidity Range

Unit	Min/Max	Resolution	Accuracy	Test Conditions
%RH	10 to 90	0.1	±5%	90% RH (non-condensing)

Operating Current

Unit	Description	Min/Max	TYP	Test Conditions
mA	Operating Current 1	15 to 20	18	Backlight is OFF
mA	Operating Current 2	20 to 25	23	Backlight is ON
V	Low battery indication	3.5 to 4.5	4	
µA	Stand by current	0 to 8	5	

Operation Conditions

Temperature	0 to 50°C (32 to 122°F)
Humidity	40 to 80% RH

Storage Conditions

Temperature	-40 to 60°C (-40 to 140°)
Humidity	<80% RH

Power Supply	AAA 1.5V alkaline battery x 4 Nos.
Dimensions	73 x 38 x 194 mm; 74 x 35 x 2100 mm (after lengthening)
Weight	212.9 g (without battery)

STANDARD INCLUSIONS

- Basic Instrument with Battery
- 1.5V AAA x 4 Nos.
- Auxiliary Fan
- USB Cable
- Carrying Case
- Conformance Certificate
- Instruction Manual

OPTIONAL

- Calibration Certificates are issued in Accordance with our Scope as granted by NABL per ISO/IEC 17025:2017 Standards

Manufactured by



NAGMAN INSTRUMENTS AND ELECTRONICS PRIVATE LIMITED

AN ISO 9001:2015 CERTIFIED COMPANY

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Specifications subject to change owing to continuous development. Contact us for latest Datasheet.



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