Rotating Vane Anemometer

LCA301

Features

- Unrivaled accuracy when measuring velocity
- Measures airstream temperature
- Calculates volumetric flow rate when user inputs duct area
- Averages velocity and flow rates over area for one measurement
- Fast flow measurements with optional aircones
- User-configurable metric or imperial display
- Head swivels to read display easily
- Lightweight, robust and easy-to-use
- DKD-traceable calibration certificate

Applications

- Residential air balancing
- Heating and cooling coil analysis
- Diffuser and grille measurements
- Fume hood face velocity tests
- Indoor air quality tests
- Kitchen and restaurant exhausts
- Filter face velocity measurements

SPECIFICATIONS

	Metric Mode	Imperial Mode
Measurement Range		
Velocity	0.25 to 30 m/s	50 to 6,000 fpm
Temperature	0 to 60°C	32 to 140°F
Volumetric Flow Rate	1 to 999,999 l/s 1 to 999,999 m^3/h 0.01 to 3,000 m^3/s	1 to 9,999,000 cfm
Area Input	0.00399 to 90 m^2	0.043 to 900 ft^2
Actual range is a function of velocity and area input.		
Display Resolution		
Velocity	0.01 m/s	1 fpm
Temperature	0.1°C	1°F
Accuracy		
Velocity	±1% reading ±0.02 m/s	±1% reading ± 4 fpm
Temperature	±1°C	±2°F
Storage Temperature	-10 to 60°C	14 to 140°F
Operating Temperature	0 to 60°C	32 to 140°F
Dimensions	280 x 112 x 65 mm deep	11 x 4.5 x 2.6 in. deep
Weight (excluding battery)	275 g	10 oz
Power Source	One 9-volt battery	
Battery Life	Approximately 40 hours continuous use	

AIRFLOW™ INSTRUMENTS
TSI Incorporated

CERTIFICATE FM 501492

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