

## DATA SHEET

# Si-VV3

## Vane Thermo-anemometer



**Air velocity and  
airflow meter**



**Large vane probe with  
2 m (78.74") cable**



**Backlit LCD  
screen**



**Magnetic backing for easy  
fixing + Carrying bag**



**Si-HVACR Measurement MobileApp**



## Technical specifications

Parameters	Measuring units	Accuracy*	Measuring range	Resolution
Air velocity	m/s, km/h, fpm, mph	$\pm(3\% \text{ of value} + 0.1 \text{ m/s})$ from 0.4 to 3 m/s $\pm(1\% \text{ of value} + 0.3 \text{ m/s})$ from 3 to 30 m/s $\pm(3\% \text{ value} + 19.7 \text{ fpm})$ from 78.8 to 590.6 fpm $\pm(1\% \text{ value} + 59.1 \text{ fpm})$ from 590.6 to 5905.5 fpm	from 0.4 to 30 m/s from 78.7 to 5905 fpm	0.01 m/s from 0.4 to 5 m/s 0.1 m/s from 5 to 30 m/s 0.1 fpm from 0 to 984.2 fpm 1 fpm from 984.2 to 5905 fpm
Airflow**	m <sup>3</sup> /h, m <sup>3</sup> /min, m <sup>3</sup> /s, cfm	-	from 0 to 9999 m <sup>3</sup> /h from 0 to 9999 m <sup>3</sup> /min from 0 to 9999 m <sup>3</sup> /s from 0 to 9999 cfm	1 m <sup>3</sup> /h 0.01 m <sup>3</sup> /min 0.001 m <sup>3</sup> /s 0.1 cfm
Temperature	°C, °F	$\pm 0.5^\circ\text{C}$ $\pm 0.9^\circ\text{F}$	from -10 to +60°C from 14 to 140°F	0.1°C 0.1°F

\*All the accuracies indicated in this technical datasheet were stated in laboratory conditions, and can be guaranteed for measurements carried out in the same conditions.

\*\*Calculated value, only available on the app. Airflow is calculated with the surface given by the user. Accuracy of the result will depend on surface accuracy given by the user.

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## General features

Measuring element	Air velocity: optical detection Temperature: NTC
Display	Integrated 2-line LCD 7 segment monochrome display with backlight
Housing	ABS-PC and TPE, IP54
Keypad	1 ON/OFF & Backlight button 1 Hold/Min/Max/Live & Unit button
Standards & Directives	2011/65/EU RoHS II; 2012/19/EU WEEE; 2014/53/EU RED
Power supply	3 alkaline batteries LR03 AAA 1.5 V
Battery life	120 hours* (without backlight and without wireless communication)
Wireless communication	Range frequency from 2402 MHz to 2480 MHz with a transmit power of 0 dBm. Range up to 15 m (98 ft), depending on smartphone radio strength. Minimum required versions: Android 5.0, iOS 12.4, BLE 4.0
Ambiance	Air and neutral gas
Operating conditions	From 0 to 40°C (+32 to +104°F). In non condensing conditions. Altitude: from 0 to 2000 m (6561').
Storage temperature	From -20 to +60°C (-4 to 140°F)
Auto shut-off	10 minutes (can be deactivated)
Weight (with probe & batteries)	318 g (11.2 oz)

\*Battery life given at 20°C (68°F) with alkaline batteries

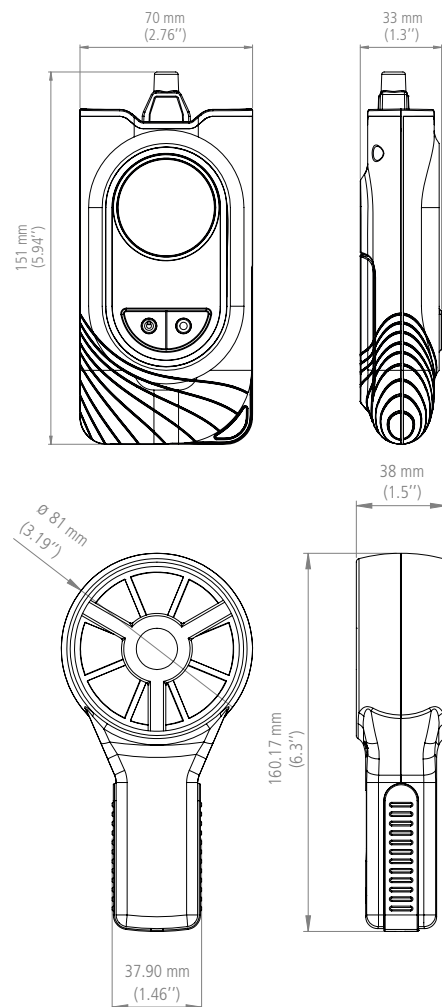
## Si-HVACR Measurement MobileApp

The Si-HVACR Measurement MobileApp allows to view and record measurements in real-time.

Main features:

- Easily view different parameters
- Browse saved measurements history and data graphs (average, min & max values, etc.)
- Create reports (PDF, CSV, or XML) and add up to four (4) photos

## Dimensions



## Kit content

- Certificate of conformity
- Quick Start Guide
- 3 alkaline batteries LR03 AAA 1.5V
- Carrying bag

## Accessories

Name	Reference
Softcase	SIACCSC

## Warranty

Instruments have 2-year guarantee for any manufacturing defect.