

LV 110 – LV 111 – LV 117



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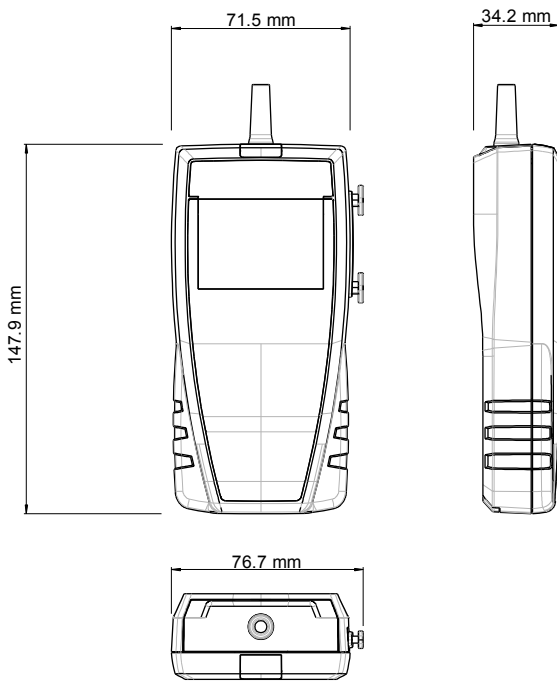


	: Hall effect
	: NTC
	4 , LCD, 50*36mm
	2 () - 5 , 7
	2 () - 5 , 16
	LV111 : Ø 14 mm / LV117 : Ø 70 mm LV110 : Ø 100 mm
	0.45 m, 2.4 m
	ABS , IP 54
	5
	Directives CEM 2004/108/CE and NF EN 61010-1
	4 batteries AAA LR03 1.5 V
	120
	Neutral gas
	From 0 to +50 °C
	From 0 to +50 °C
	From -20 to +80 °C
	0 ~ 120 가
	390 g

			1	
()				
LV111 : Ø 14 mm	m/s, fpm, km/h	From 0.8 to 25 m/s	From 0.8 to 3 m/s : ±3% of reading ±0.1 m/s From 3.1 to 25 m/s : ±1% of reading ±0.3 m/s	0.1 m/s
LV110 : Ø 100 mm	m/s, fpm, km/h	From 0.3 to 35 m/s	From 0.3 to 3 m/s : ±3% of reading ±0.1 m/s From 3.1 to 35 m/s : ±1% of reading ±0.3 m/s	0.01 m/s 0.1 m/s
LV117 : Ø 70 mm	m/s, fpm, km/h	From 0.4 0 to 35 m/s	From 0.4 to 3 m/s : ±3% of reading ±0.1 m/s From 3.1 to 35 m/s : ±1% of reading ±0.3 m/s	0.1 m/s
All models	m³/h, cfm, l/s, m³/s	From 0 to 99 999 m³/h	±3% of reading ±0.03 * area (cm²)	1 m³/h
All models	°C, °F	From -20 to +80 °C	±0.4 % of reading ±0.3 °C	0.1 °C

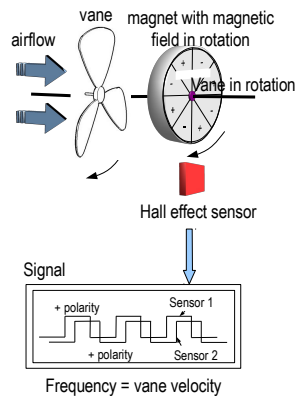
가	가
(LV 110/117)	가
가 (, ,)	
(LV 110/117)	가
가	가

*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, or carried out with calibration compensation



Air velocity : Hall effect sensor

Rotation of the vane probe leads to a circular magnet of 8 poles. A dual Hall effect sensor, placed next to the magnet captures the signals of magnetic field polarity transition. The sensor signal is converted to electrical frequency and is proportional to the rotation velocity of the vane probe. Signal chronology allows to determine the rotation direction.



Thermometer : CTN probe

Negative temperature coefficient probes are thermistors with a resistance that decreases with temperature according to the equation below:

$$R_{(T)} = R_{(T_0)} e^{\left(\frac{\alpha}{100} \times (T_0 + 273.15)^2 \times \left(\frac{1}{T + 273.5} - \frac{1}{T_0 + 273.5} \right) \right)}$$

RT= resistance sensor value at temperature T

R(T0)=resistance sensor value at reference temperature T₀

T and T₀ in °C

α and T₀ sensor specific constants

- LV 111 : Ø 14 mm
- LV 117 : Ø 70 mm
- LV 110 : Ø 100 mm
- (ref : ST 110)



CQ 15 :

가



RTE : 90

1 m

K 25 – 85 :

LV 110



MT 51 :

ABS



(02-338-0023)

가

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