

TVOC module specifications

Productname: TVOC300 - AIR300

Dimensions

Length(mm)	Width (mm)	Height (mm)
372 +/-1	292 +/-1	60 +/-1

Materials

No	Material	Spec
1	Activated carbon filter	99.97%
2	Non-woven fabrics cloth	240g
3	Black paper frame	/
4	PO hot melt glue	XT-4386
5	PO hot melt glue	3011 WH
6	Package	PET
7	PO hot melt glue	705

Product specifications

item	unit	Value	Remarks
Filter weight	g/m ²	445 +/-45g	/
Initial stage Pressure loss	Pa	33~50 Pa	Wind speed= 5.33 cm/sec
Initial stage collecting efficiency	%	>= 99.97	Wind speed= 5.33 cm/sec, Atmospheric dust size = 0.3~0.5 um
Collecting efficiency	%	>= 99.5	Air flow=360m ³ /h
Pressure loss	Pa	<= 140	Atmospheric dust size=0.3 ~ 0.5 um

Product components

Put folded carbon cloth into PET non-woven fabrics frames, stick the handle.

Resistance test method

JISB 9908-2011 (Japanese Industry Standard)

See drawing 1* (test: wind speed: 5.33 cm/s)

See drawing 2* (test: air flow: 360m³/h)

Storage conditions

When storage the product, must pay attention to follow items,

- In condition of: Temperature <=60°C, Humidity<=90%
- No pressure on package (to avoid packaged deformation)
- Must not getting close to putrefactive odor or oxidizing air

Packaging

On unit packed in printed bag and put into carton box, 8 unit with carton box put into outer box.

This specification can be revised after negotiation by relevant person.

Inspection standard

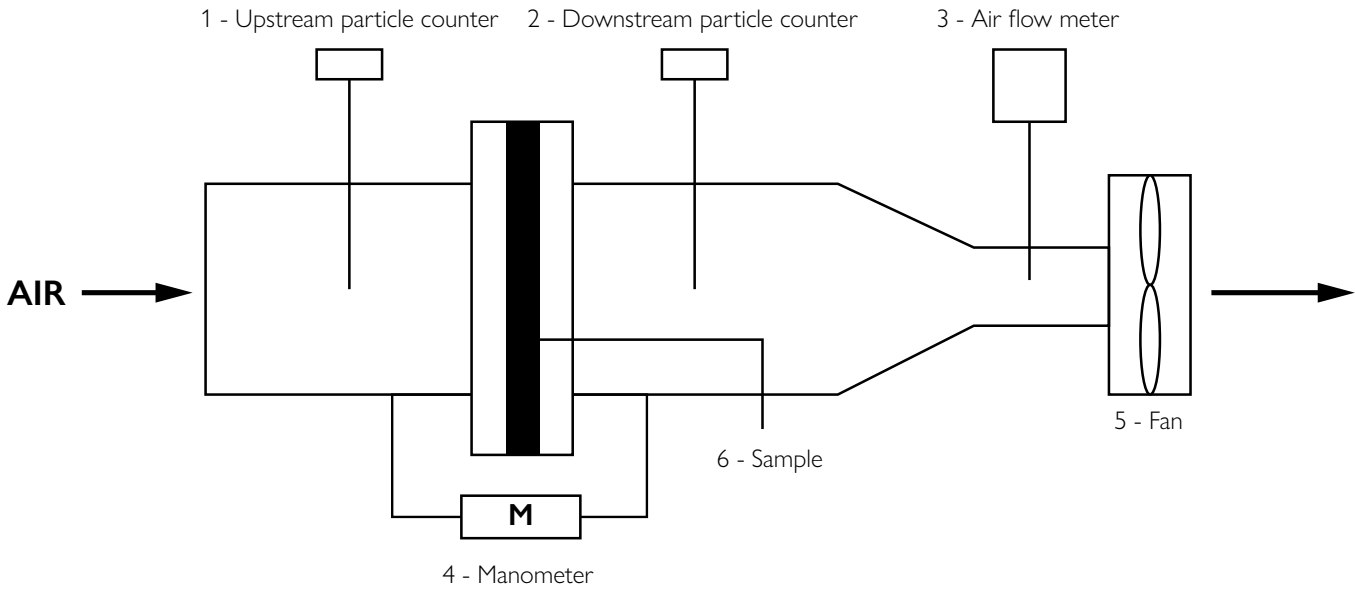
Inspect Item	Standard	Check method	Type test	Final inspection
Dimension	Length (mm)	372 +/-1	Ruler/caliper	N = 20 N = 10
	Width (mm)	292 +/-1		C = 0 C = 0
	Height (mm)	60 +/-1		
	Pleats Quantity	57 +/-2		
Appearance	Clean, no dirt, folded in regular	Visual	N = 20 C = 0	N = 10 C = 0
Pressure loss (Pa) @ 360m ³ /h	<=140	JIS B 9908-2001	N = 10, C = 0	N = 5, C = 0
Collecting Efficiency (%)@ 360m ³ /h	>=99.5%		N = 10, C = 0	N = 5, C = 0
PCADR (m ³ /h)	TBD	GBT18801-2015	N = 2, C = 0	N = 1, C = 0
PCCM mg			N = 1, C = 0	/
FCADR(m ³ /h)			N = 2, C = 0	N = 1, C = 0
FCCM mg			N = 1, C = 0	/

n= xxxxxx / c= xxxxxx

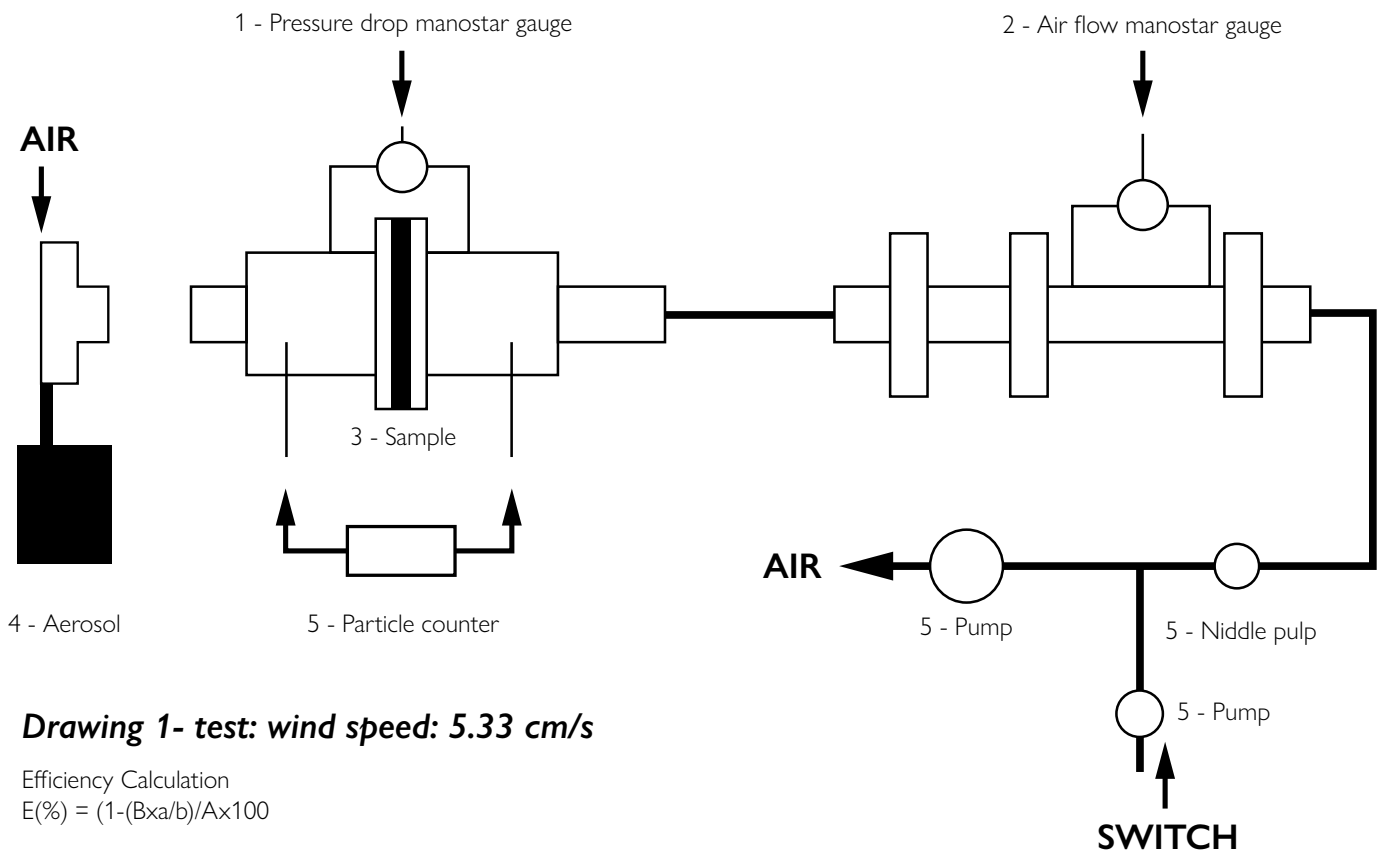
* see backside of this leaflet

TVOC module specifications

Measuring method of filter material performance



Drawing 1- test: wind speed: 5.33 cm/s



Drawing 1- test: wind speed: 5.33 cm/s

Efficiency Calculation
 $E(\%) = (1 - (B \times a / b) / A) \times 100$

A: particles amount of inlet of filter / B: particles amount of filter
 C: A mentent of particle counter