



### Wind Noise Generator

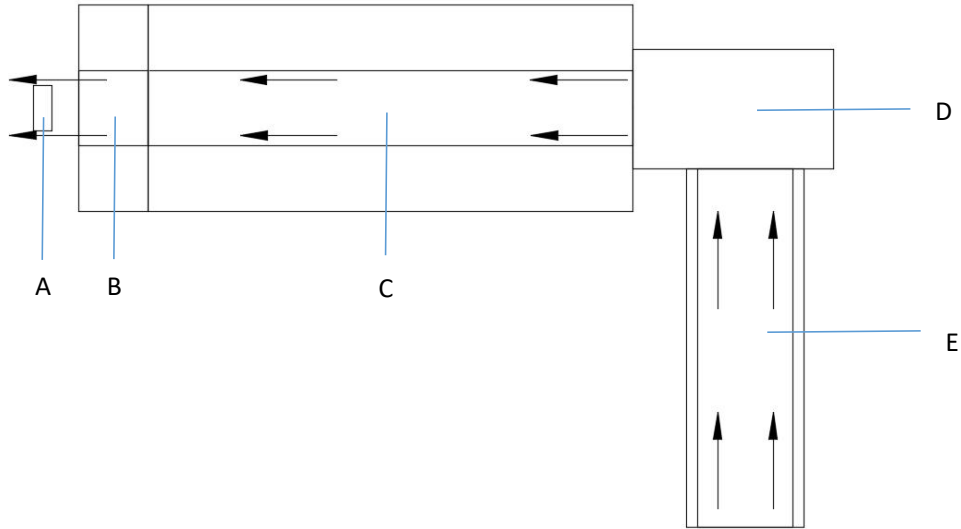
WT 105 is a wind noise generator specially designed for wind noise test, which supports control through PC and touch screen.

#### Parameters

WT105 Parameters	
Wind speed range	3-15m/s
Noise level	<60dBA(under maximum wind speed)
Size(cm)	120*45*110
Temperature	-10°C~50°C
Program control interface	DB9
Size of air outlet(cm)	10*10
Maximum power	150W

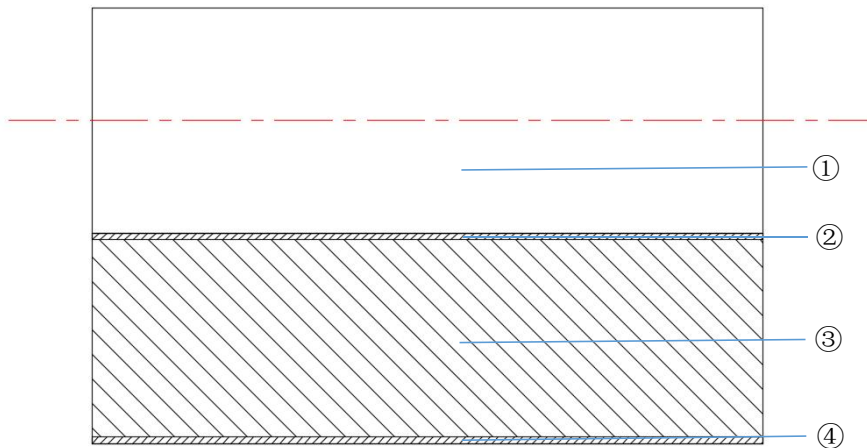
#### Features

- The adjustable range of wind speed is from 3m/s to15m/s comparing with conventional fan from 3m/s to 5m/s.
- The wind speed mode supports steady-state, random fluctuation, cyclic fluctuation and user-defined fluctuation, which offer a wind closer to the real environment with putting forward higher requirements for noise reduction algorithm and earphone structure design)
- WT 105 can be operated through the touch screen, and is also compatible with program-controlled operation, AudioExpert or other software.
- Ultra quiet design, noise is below 60dba at the highest wind speed.
- Small size, easy to set up the test environment, is allowed to make a customized fixed support.



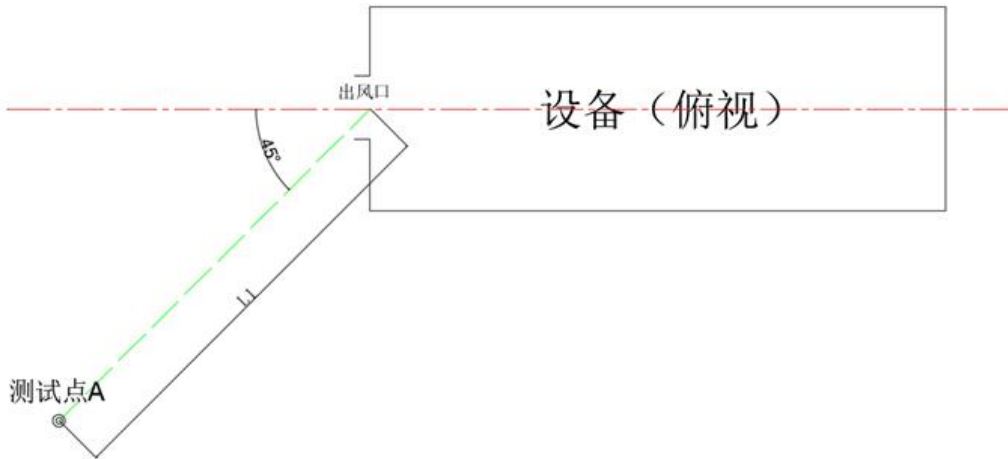
No.	Part	Function
A	Anemometer	adjust the position from the air outlet and feed back the current wind speed in real time
B	Air outlet regulator	adjust the size of air outlet
C	Sound cancellation duct	reduce the noise level of air outlet
D	Fan	wind source
E	Sound cancellation duct	reduce the noise level of air inlet

**Main Sound Cancellation Structure**



① Duct Position	Air Inlet Duct	Air Outlet Duct
② Material/ Thickness	Adhesive Bonded Fabric/0.5mm	Iron plate/1mm
③ Material/ Thickness	Sound absorbing cotton/3cm	Sound absorbing cotton/80mm
④ Material/ Thickness	Aluminum foil/1mm	Iron plate/1mm

**Wind Noise Level Comparison Table**



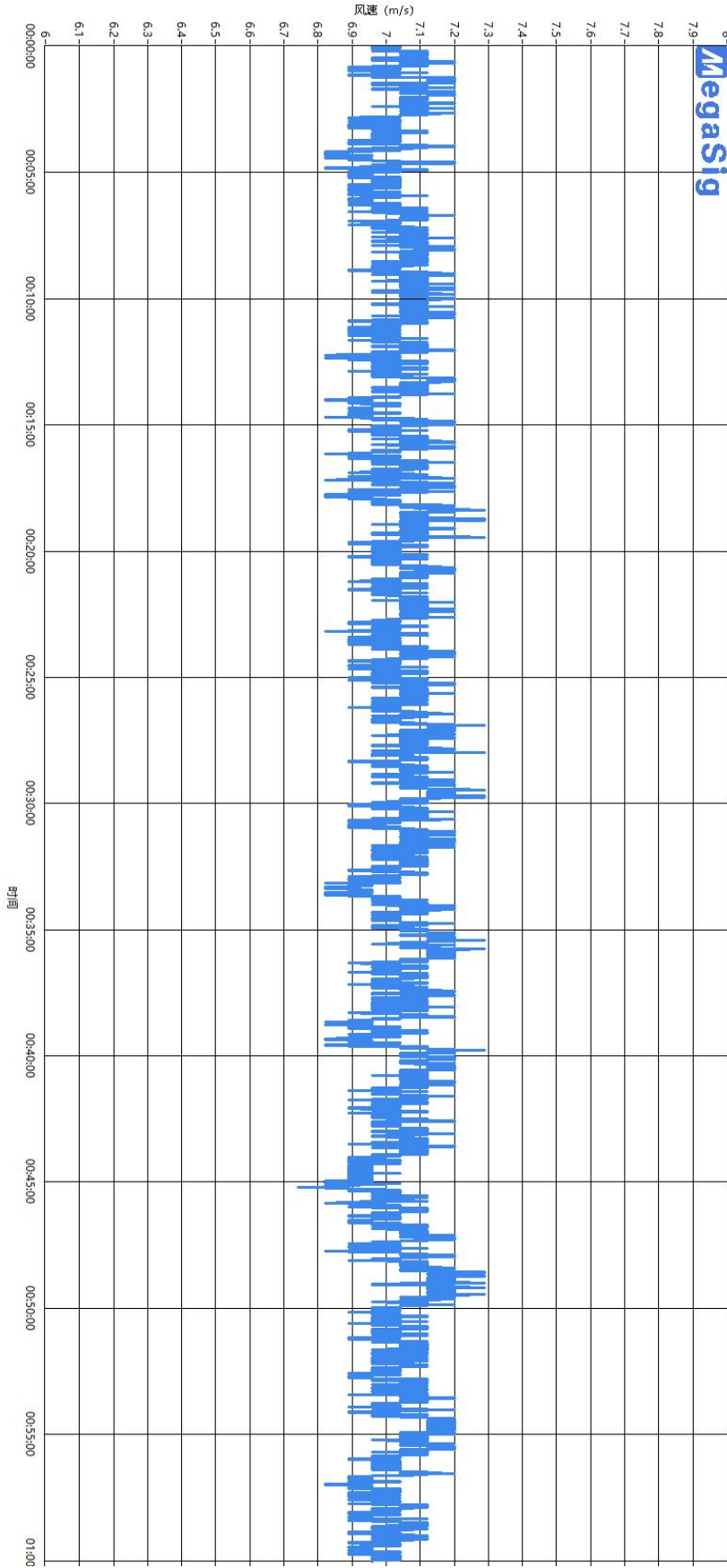
Testing Environment: 9dBA anechoic room 25°C 101.2KPA

Air Outlet Wind Speed / Noise	Test Point A dBA (L1=600mm)	Test Point A dBA (L1=800mm)
3m/s	11.6	10.3
4m/s	17.3	15.7
5m/s	23.7	22.2
6m/s	29.5	27.6
7m/s	33.3	31.5
8m/s	37.1	35.9
9m/s	39.9	38.6
10 m/s	43.1	41.2
11 m/s	45.5	43.3
12 m/s	47.6	45.9
13 m/s	49.8	47.6
14 m/s	52.1	49.5
15 m/s	53.8	52.4

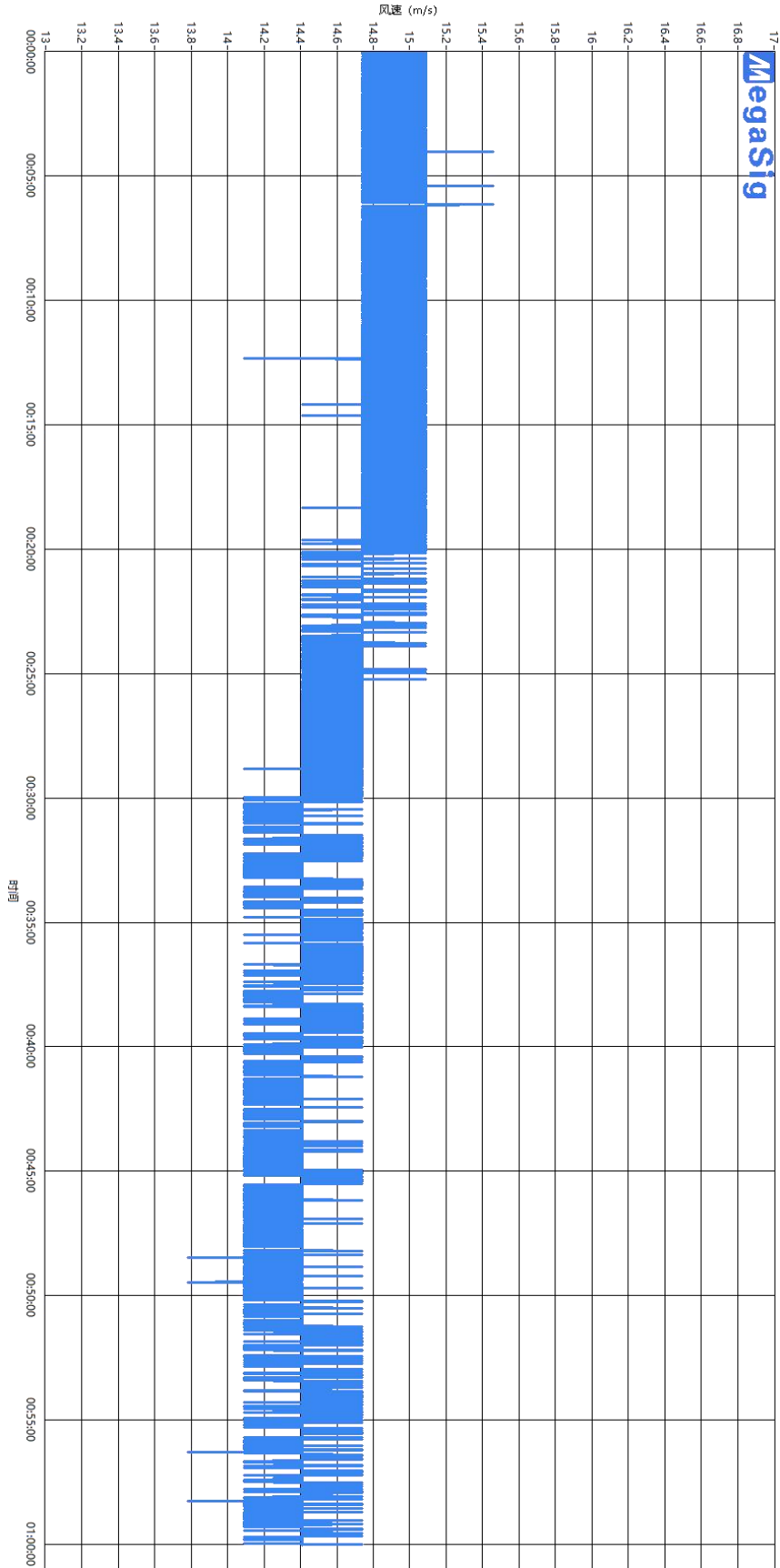
Wind Speed Stability

Test Environment: windless 20°C

The equipment operates continuously for 1 hour under the set, wind speed of 7m/s



The equipment operates continuously for 1 hour under the set, wind speed of 15 m/s



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