

Optional Parts

Provided with all the required performance; wind noise reduction, waterproof property and acoustic transparency
Dedicated windscreen for wind power system noise measurement

【Newly developed】

NA-0380 : Windscreen for wind power system measurement

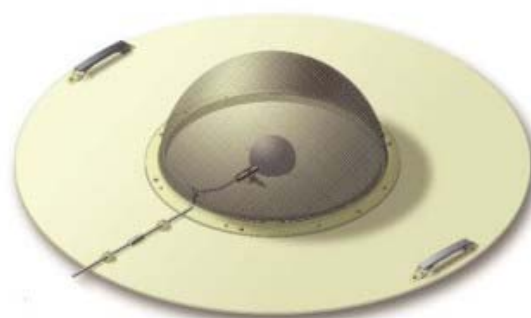
NA-0380A : Fold-down type Windscreen for wind power system measurement

This outstanding performance was realized by the specified sheet device developed through the business-academia collaboration of ACO Co., Ltd., Shizuoka University and Tomoegawa Co., Ltd, which offers exceptional and non-conventional capability of waterproof and almost 100% acoustic transparency.

【Appearance】



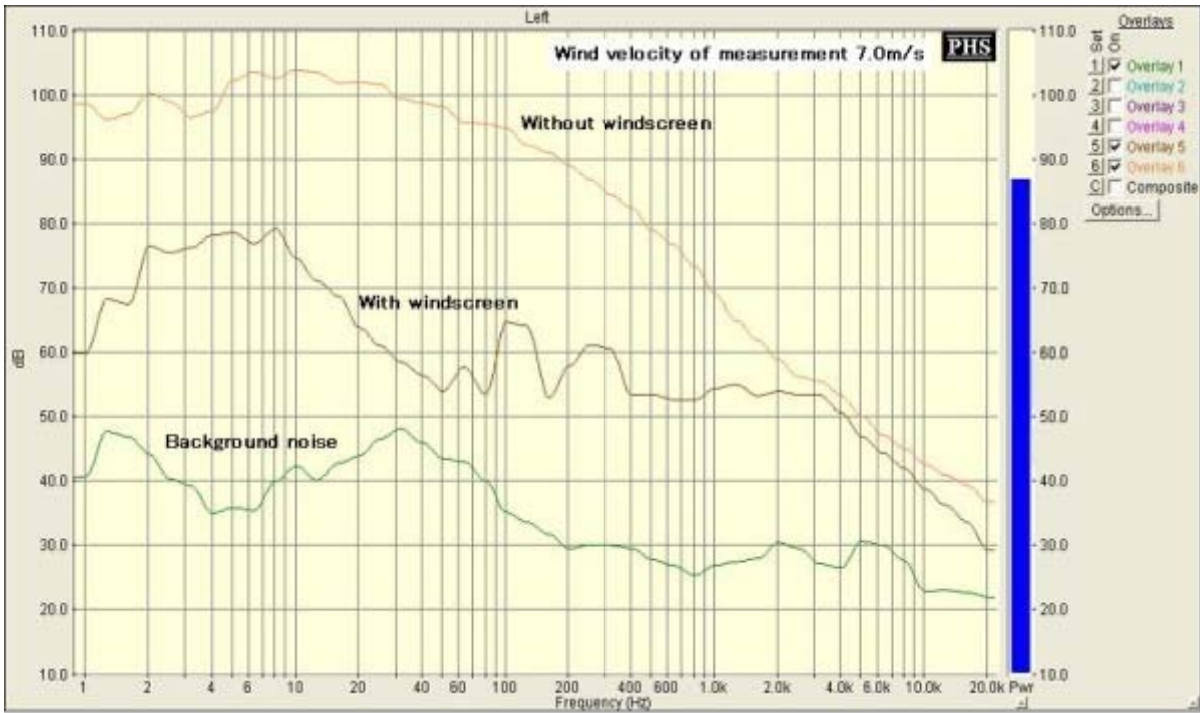
【Image chart】



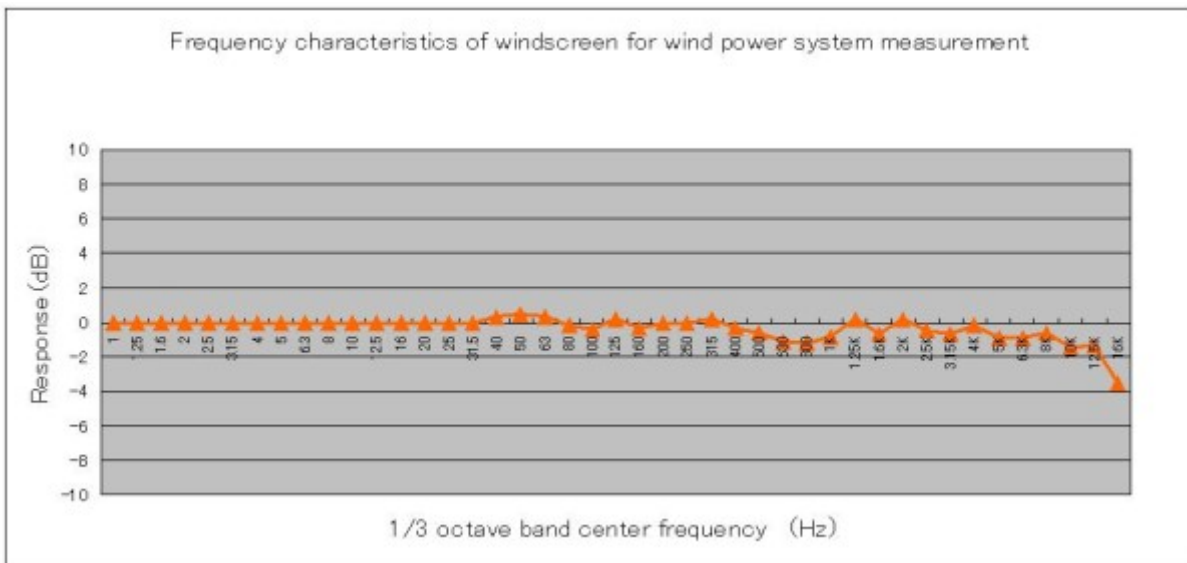
【Specification】

Applicable Standard	: JIS C 1400-11:2005(IEC61400-11:2002)
Frequency Characteristics	: 1Hz ~ 12.5kHz
Wind noise reduction	: 40dB or more(80Hz)
Applicable range	: Wind velocity 20m/s or less. Precipitation 30mm/h or less
Expected lifetime for weather proof	: for 3 years or more
Structure	: IPX Rating 3 (JIS IPX3) Rainproof Type JIS C 0920
	※Due to the special kind of treatment of the heat insulation (and waterproof) structure of the windscreen, it prevents the formation of any condensation under usual measurement conditions.
Material	: Main body/Aluminum
	Windscreen/Aluminum fiber sound absorbing material (Recyclable)
Insulation resistance	: Between microphone and disc 100MΩ or more (under DC 500V applied)
Operating temperature	: -10 ~ +50°C / 30 ~ 95%
Size and Weight	: Disc Φ1,000×3(t) Approx.8kg
	Outer screen Φ460×230(H)
	Main screen built-in φ90 hemispheric screen
Assembly	: Simple assembly system (Approx.10 minutes)

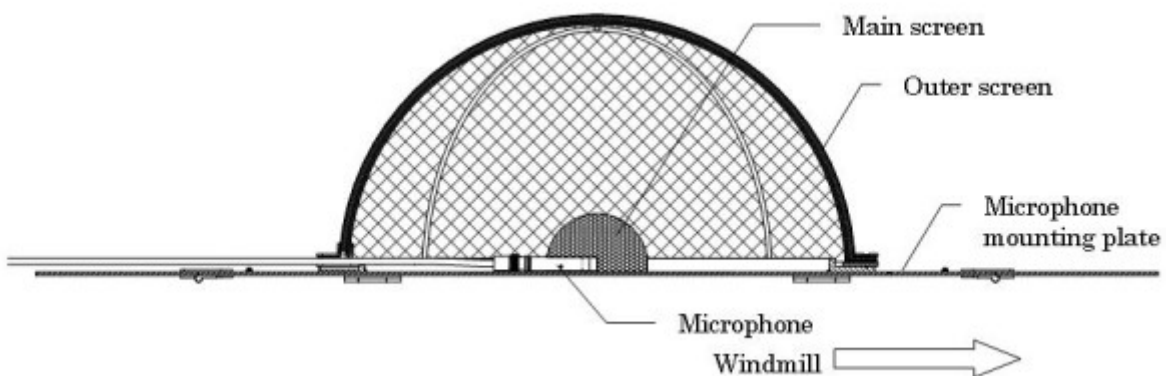
[Wind noise reduction]



[Frequency characteristics]

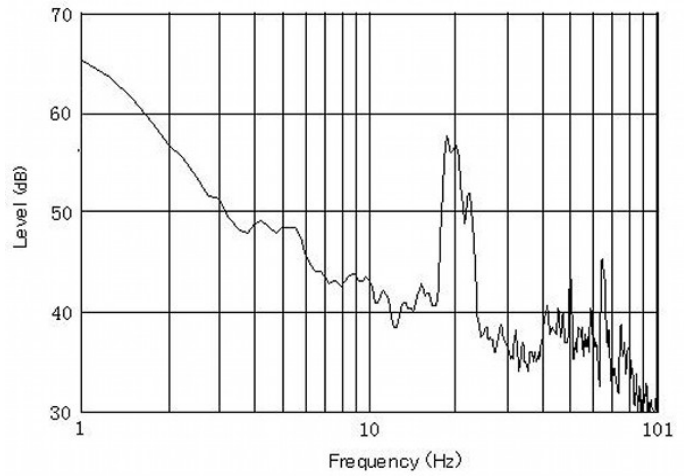


Microphone mounting arrangement - cross section diagram

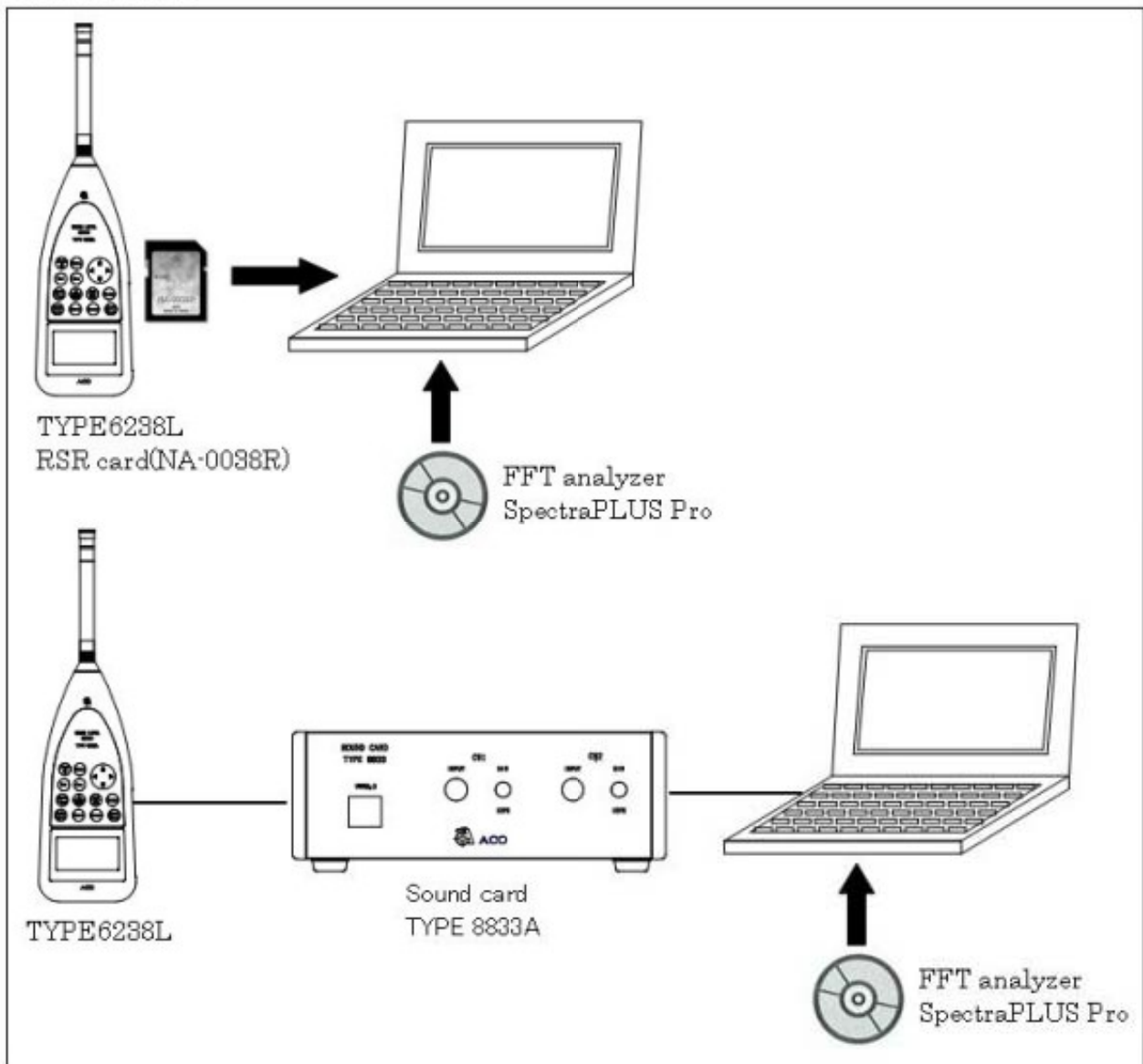


Reference : JIS C 1400-11:2005(IEC61400-11:2002)

[Measurement example made around the wind power system]



Block chart



[Option]

NA-0080 : Windscreen for wind power system measurement carrying case

NA-0380A : Fold-down type Windscreen for wind power system measurement carrying case



[Specification]

Type	: NA-0080
Material	: Aluminum alloy
Size	: 800(W) x 800(D) x 315(H)
Handles	: 5
Weight	: Approx. 14kg

Windscreen for Low frequency (φ175) NA-0305A



Usage example 1. Extension cable.



Usage example 2.

[Specification]

Type	: NA-0305A
Frequency characteristics	: 1Hz ~ 500Hz
Wind noise reduction	: 30dB or more(100Hz)
Applicable range	: Wind velocity 20m/s or less. Precipitation 30mm/h or less
Expected lifetime for weather proof	: for 2 years or more
Structure	: All-weather type (Exclusively conducted drip-proof structure)
Size	: φ175mm
Applicable diaphragm diameter	: 1/2-inch

[Others]**Waterproof (IPX) rating and explanation (Referenced JIS C 0920)**

IPX Rating	Type	Explanation
0		Non-protected.
1	Drip proof Type I	Protected safely against waterdrop falling plumb down.
2	Drip proof TypeII	Protected safely against waterdrop falling with angle 15 degree or less.
3	Rainproof Type	Protected safely against waterdrop falling with angle 60 degree or less.
4	Splashproof Type	Protected safely against airborne droplet at any incident angel.
5	Jet flow proof Type	Protected safely against direct water jet flow at any incident angel.
6	Waterproof Type	Waterproof property against water jet flow at any incident angel.
7	Underwater Type	Waterproof property maintained even in water of given condition.