2-D Ultrasonic Anemometer New
MODEL SA-10

To measure wind velocity and direction at the fast response!

Observation purpose

◆ For the local strong wind disaster

◆ To the atmospheric diffusion observation

◆ To the operations administrator of transportation

◆ To the low layer weather and a local meteorological observation

Features

◆ The measurement range is 90m/s.

◆ The model with a built-in heater is selectable, too

◆ Measurement from 0 m/s to 90 m/s with high response and linearity

◆ Without moving part,free from damage under the strong wind condition.

Measurement method	Time sharing transmission/reception witching type ultrasonic pulse emission.
Processing method	Ultrasonic propagation reciprocal
Measuring range	0 - 90 m/s (wind velocity) (Selectable from any of 1,2,5,10,15,20,30,40,50,60,70,80,90m/s) 0 - 540° (wind direction)
Accuracy	±0.2m/s or ±3%RD larger one (velocity)
Output resolution	0.01m/s (wind velocity) 0.1°(wind direction)
Sampling rate	4 times／second, 10 times／second
Digital output	RS-422(can output any element signal）
Output signal	Momentary wind velocity(U_i), Momentary wind direction($θ_i$) Momentary wind velocity(X_i,Y_i) Vector averaged wind velocity(U_m) Vector averaged wind direction($θ_m$) Average wind velocity(X_m,Y_m)
Main material	die-cast aluminum
Painted color	White
Temperature	-40～+60℃
Humidity	10～95%RH
Power supply	DC9V～36V
Weihgt	Approx. 1Kg

Accessory/Display & setting software
[Digital output details]
　Communication speed/19200bps
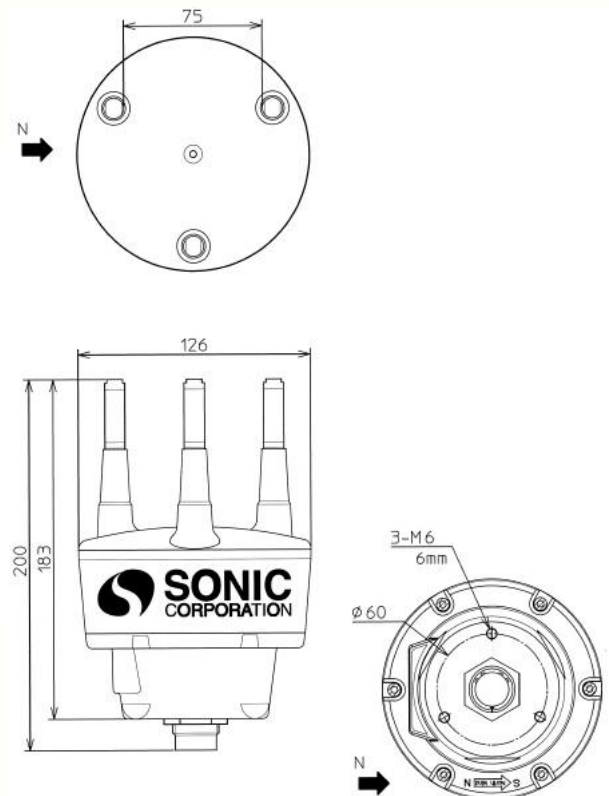　Data length / 8bit, Parity / None. Stop bit / 1bit
　Output format / ASCII

[Option]
　Heater Specifications

・ SA anemometer/SA-10　　　　　　　1unit
・ Accessory/Display & setting software　1set
・ Connection cable/JSCA-20（20m）　　1pc

⚠ CAUTION FOR SAFETY ： Please read surely INSTRUCTION MANUAL before operating

●Specification is subject to change without prior notice for improvement.

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