

**Anemometer SV9**

Composed of 3 cups conical shaped injected on a stainless steel shaft.

The transducer consist on one pair led & phototransistor which provides a pulse output with frequency proportional to wind speed

Combined with high performance shielded bearings ensure excellent linearity, over the whole range of measure and high reliability on different temperature-humidity conditions. Low moment of inertia, low-threshold, fast response and low distance constant are guaranteed.

The variety of outputs suit most data loggers on market.

**Wind vane SD9**

Consist of one aluminium and steel wind vane attached to a shaft that incorporates a diametric magnet that actuates on a rotary position sensor giving an output equivalent to the direction indicated by the wind vane.

As there is not mechanical contact, there is not friction and so a high life expectancy

A low-threshold and fast response are guaranteed.

The variety of outputs suit most data loggers on market.

Environment

Corrosion and environmental degradation resistance is guaranteed by the UV-proof plastic body.

Bearings

Both sensors are composed of stainless steel, shielded bearings, which give them

excellent dynamic characteristic with very low mechanical friction.

Heating

Optionally both sensors could be provided of internal heating system, in order to avoid bearings and shaft freezing. It is strongly recommended in cold climates.

SV9 y SD9

Technical Data SV9

General

Encoder	Rotary Incremental Photocoupler
Range	0~60 m/s
Threshold	0,3 m/s
Accuracy	±3%
Output options	- Pulses (frequency directly proportional to wind speed) - Current (4-20mA) - Digital 485 Mod-bus
Distance constant	< 2m

Electrical Features

Power supply	5~26VDC 11~26VDC for 4-20mA
Consumption	90 mW (@ 12V)
Operating Temperature	-30°C~70°C (with heating)

Mechanics

Case	UV-proof injected plastic
Weight	135 gr (cup wheel included)
Cup Wheel Diameter	120 mm
Case Diameter	50 mm
Height	170 mm (cup wheel included)

Additional Accessories

Shaft Heating System	- Low power heating (3w) - Thermostat controlled 4°C of activation threshold
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Technical Data SD9

General

Encoder	Hall Effect Magnetic
Range	1°~360°
Wind Threshold	0,3 m/s at 10° deflection
Damping factor	0,5
Resolution	1,41°
Accuracy	1,41°
Output options	- 8-bits Gray code - Synchronous serial - Current (4-20mA) - Digital 485 Mod-bus

Electrical Features

Power supply	5~26VDC 11~26VDC for 4-20mA
Consumption	150 mW (@ 12V)
Operating Temperature	-30°C~70°C (with heating)

Mechanics

Case	UV-proof injected plastic
Weight	280 gr. (vane included)
Vane Length	235 mm
Case Diameter	50 mm
Height	220 mm (vane included)

Additional Accessories

Shaft Heating System	- Low power heating (3w) - Thermostat controlled 4°C of activation threshold
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