

**Anemometer SV8**

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 SD8

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

Sensors body is Al-Si aluminium injection moulded and rust preventive painted.

M12 IP65 polarizing connectors are equipped for an easier operation.

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.

SV8 y SD8

Technical Data SV8

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	Al-Si aluminium injection moulded and rust preventive painted
Weight	290 gr (cup wheel included)
Cup Wheel Diameter	120 mm
Case Diameter	50 mm
Height	190 mm (cup wheel included)

Additional Accessories

Shaft Heating System	- Power heating 10w - Thermostat controlled 4°C of activation threshold
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Technical Data SD8

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	Al-Si aluminium injection moulded and rust preventive painted
Weight	390 gr. (vane included)
Vane Length	235 mm
Case Diameter	50 mm
Height	240 mm (vane included)

Additional Accessories

Shaft Heating System	- Power heating 10w - Thermostat controlled 4°C of activation threshold
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