



TOIP Pty
Ltd
Telemetry Over Internet Protocol

SDI-12 Wind Speed and Direction Sensors

The AWC01 SDI-12 Wind Speed and Wind Direction sensors are the perfect option for wind measurement in automatic weather stations. The sensors can be supplied as individual units or as a pair. Both sensors may be operated in standard mode (sampling driven by the logger) or advanced mode (where they remain powered and perform WMO spec wind average, max and min determination at the programmed rate).

SDI-12 Wind Speed (WS01)

The SDI-12 wind speed sensor features an aluminium body and a set of flow optimised, stainless steel cups. The high quality bearing provides a low start threshold and ensures a long life. The sensor provides an SDI-12 output.

SDI-12 Wind Direction (WV01)

The SDI-12 wind direction sensor is optimised for aerodynamic performance. It features an aluminium body and stainless steel vane. The sensor provides an SDI-12 output.



Mounting Arms

Our wind mounting arms have been designed with accurate wind measurement in mind. The arms are 50cm in length, ensuring that a pair of sensors will be spaced according to the separation recommended by the WMO. The arms are made from round aluminium tube for minimum disturbance to vertical and horizontal air flow.

Specifications

Parameter	SDI-WS	SDI-WD
Measuring Range	0.5 - 55 m/sec	0 - 360 degrees
Accuracy	Typ +/-2 % of Full Scale max +/- 3%	Typ +/-2 % Max +/- 3%
Response Time	1 sec	1 sec
Start Threshold	0.5 m/sec	0.5 m/sec
Weight	0.6 kg	0.6 kg
Power Supply	6 - 16 V DC	6 - 16 V DC

Ordering

AWC01	SDI-12 wind speed and direction sensors with 2 off holders
SDI-WS	WS01 SDI-12 Wind Speed Sensor (Anemometer)
SDI-WD	WV01 SDI-12 Wind Direction Sensor (Wind Vane)
HOLDER	Aluminium mounting arm for wind sensors

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