



**TOIP** Pty  
Ltd  
*Telemetry Over Internet Protocols*

# SA6E Budget Weather Cluster

The SA6E is a combination weather instrument which features ultrasonic wind speed and direction sensors. The standard sensor also returns air temperature, relative humidity and barometric pressure. The sensor returns the readings over an SDI-12 interface

## Combination Weather Instrument

Combination weather instruments save you the bother of installing multiple sensors.

The SA6E comes with the sensors most often used in climate monitoring: air temperature, relative humidity, barometric pressure, wind speed and wind direction and solar radiation. Our preference is always to use a separate rain gauge: rainfall at 2m above ground can be vastly different to that experienced at the standard reference height of .6 to 1m. The WDS6E is supplied with a stainless steel mounting bracket, which has a socket which sits inside the base of the sensor.



	Principle	Range	Accuracy	Resolution
Wind Speed	Ultrasonic	0-70m/s	±3%	0.1m/s
Wind Direction	Ultrasonic	0-359°	<3°	1°
Air Temperature	MEMS sensor	-40°C to +80°C	±0.5°C	0.1°C
Air Humidity	MEMS sensor	0---100%	±2%	0.1%
Air Pressure	MEMS sensor	150---1100hPa	±1hPa	0.1hPa
Solar Radiation	Silicon	0---2000W/m <sup>2</sup>	±5%	1W/m <sup>2</sup>

## Ordering

SA6E

Combination Weather Instrument SDI-12

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