



TOIP Pty
Ltd
Telemetry Over Internet Protocols

WDS6E Weather Cluster

The WDS6E 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 WDS6E comes with the sensors most often used in climate monitoring: air temperature, relative humidity, barometric pressure, wind speed and wind direction. Solar radiation and rain are available on request. Although 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	Resolution	Accuracy
Wind speed	Ultrasonic	0-60m/s	0.01m/s	±3%
Wind direction	Ultrasonic	0-360°	1°	±3°
Atmospheric temperature	MEMS	-40+80°C	0.1°C	±0.3°C
Atmospheric humidity	MEMS	0-100%RH	0.1%RH	±3%
Atmospheric pressure	MEMS	150-1100hPa	0.1hpa	±1hPa
Precipitation(Rain/Hail/Snow)	Radar	0-4mm/min	0.01mm	±0.4mm
Solar radiation	Silicon-cell	0-1750W/m2	1W/m2	±5%

Ordering

WDS6E

Combination Weather Instrument SDI-12

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