

# Remote Weather Station RWS-07

- Solid State Weather Station
- Data files in CSV format
- Battery powered with solar charger
- Rugged weatherproof case
- Simple to deploy
- Additional sensors available
- Buy or hire



RWS-07 Weather Station

## Specification

Inputs	WindSonic Wind Sensor + additional sensors
Additional Sensors	Temperature, humidity, solar radiation, rainfall, barometric pressure, water level etc.
Memory Capacity	1.8 million readings
Communications	Direct RS232, USB
Logging rate	Programmable - 1 second to 12 hours
Data Retention	Over 200 years with no power
Operating Range	-25 to +55 degrees C
Battery Life	Up to 6 months
Data Format	Graphic and CSV, suitable for export to Excel



The RWS-07 portable weather station is supplied in a rugged IP67 weather proof case with sensor compartment and 12v DC gel cel backup battery to provide remote operation for up to 6 months without external power.



### SQ-2010 Inputs:

4-8 x 4-20mA, 0-10v  
T/C, mV  
8 x Digital  
2 x Counter

# Remote Weather Station RWS-07

## Specification - WindSonic Wind Sensor

<b>Ultrasonic Output Rate</b>	1, 2, 4Hz
<b>Wind Speed</b>	Range 0-60 m/s
<b>Wind Direction Range</b>	0-359 no dead band
<b>Operating Temp Range</b>	-35 °C to +70 °C
<b>Moisture Protection</b>	IP65
<b>External Construction</b>	Luran
<b>Digital O/P Options</b>	RS232 / 422 / 485 / SDI-12
<b>NMEA O/P</b>	Yes
<b>Analogue Outputs</b>	2 (optional)
<b>Sonic Temp Output</b>	N/A
<b>Approvals</b>	N/A
<b>Calibration</b>	Generic



WindSonic  
Wind Sensor

## Additional Sensors Available ( no external power )

Temperature	PT100 type - range -50 to +120 deg C accuracy 0.25 deg C
Barometric Pressure	Range 600 - 1200 mBar, accuracy 0.1 %
Humidity	0 - 95% relative humidity
Solar Radiation	Range 0.4—1.1 uM or 0.3-2.8uM
Rainfall	Tipping bucket rain gauge type TR525i



SP-Lite  
Solar Radiation Sensor



TR-525 Tipping Bucket Rain  
Gauge