

Renschler Sol Series



A new look vario, doing away with batteries and going for the flat and square look. The sol series starts with the sol 3, then sol 5, sol 5g and sol 7g. All of the models are software upgradeable to any of the other models. The solar cells give more than enough to power the instrument and to charge an internal cell which will then allow the instrument to function in total darkness for more than 15 minutes.



Altimeter Altitude 1 (A1): Absolute altitude up to 30,000 feet (9,000 m).

Resolution 1 ft or 1m over the entire range of measurement. Display in feet or meters (user selectable)

Altitude 2 (A2): Relative or absolute altitude up to 30,000 feet (9,000 m). Push button to zero A2 to display relative gain or loss in altitude.

Resolution 3 feet (1 m) over the entire range of measurement. Display in feet or meters as A1

Pressure Corrected to mean sea level: This feature is used to calibrate A1 (QNH) when the mean sea level pressure is known. Display in hPa

Zero: A third altimeter that is zeroed every time it is accessed. Used for light thermals when knowledge of any gain or loss in altitude is useful

Vario Continuous analogue display: Multi-display graphically shows lift and sink. Display range: $\pm 5,000$ ft/min (± 20 m/s) with a resolution of 50 ft/min (0.2 m/s)

Continuous digital display: Display range: ± 9900 ft/min (30m/s).

Resolution: 10ft/min - 100ft/min for greater than ± 1000 ft/min. (0.1m/s - 1m/s for greater than ± 10 m/s))

Averager: Affects the digital vario display. Average value calculations over 1 - 99 seconds (1 update per second).

Acoustics: Higher tone for ascending and lower tone (more depressing) for descending. Ascent tone volume can be off, low or high. Descent tone volume can be off or the same as the ascent tone volume.

Ascent acoustics: Ascent-dependent interval and pitch.

Descent acoustics: Descent-dependant pitch (continuous tone). User selectable setting, below which the tone sounds. Adjustable setting between 0 and -16000 ft/min in 100ft/min intervals (0 and -20 m/s in 0.2 m/s intervals).

Delay time: Acoustic may be delayed between 0.1 and 9.9 seconds in 0.1 second increments

Speed Digital speed display: Airspeed displayed in a separate window of the instrument when a speed sensor is connected. Display units kmh or mph (user selectable). Display range: 0 - 140 kmh.

Temperature Ambient temperature: Integrated temperature sensor measures in display Celsius

Time functions Stopwatch: Display up to 99 hours and 99 minutes (I've not tested this new digital clock!). Can be manually started or starts automatically if there is an altitude change of 50ft (15m)

Flight Memory Flight data: The 10 most recent flights are automatically recorded. The following values are recorded: Max altitude 1, max altitude 2, max ascent rate, max descent rate, temperature, flight duration

Power Supply Integrated solar cells (500mW), consumption 6 - 12mW! Lithium battery for night operation

Housing Dimensions: 134 x 128 x 26 mm
Weight approx 212 grams

Supplied with Manual, and protective carrying case.