

<b>Specification</b>	<b>SRS1000 T</b>	<b>SRS200 T</b>
Portable	Yes	Yes
Device weight <5 kg	2.4 kg	4.1 kg
CO <sub>2</sub> /H <sub>2</sub> O gas analyser	Yes	Yes
<b>Gas exchange</b>		
CO <sub>2</sub> measurement range 0 – 20,000 ppm (>97% accuracy)	0 – 2,000 ppm	0 – 3,000 ppm
H <sub>2</sub> O measurement range (97% accuracy)	0-75 mbar (0.1mbar resolution) Two laser trimmed	0-75 mbar (0.1mbar resolution) Two laser trimmed
Soil H <sub>2</sub> O vapour flux (mmol/m <sup>2</sup> /sec)	0 – 50 mmol/m <sup>2</sup> /sec	0 – 50 mmol/m <sup>2</sup> /sec
Measurement rate 2/min	2 – 4/ min	2 – 4/ min
<b>Respiration chamber</b>		
Measuring diameter ~20 cm	Soil collar 13 cm (1 L)	Soil collar 13 cm (1 L)
	Upper chamber	
Operating temperature 0 – 50 °C	-5 °C - 50 °C	-5 °C - 50 °C
Battery operating hrs	10 hrs (2.8 Ah 12 V lead acid battery)	16 hrs (7.5 Ah, 12 V lead acid battery)
Pressure sensor operating range 50 to 110 kPa		
PAR reader	0 - 3,000 umol/m <sup>2</sup> /sec	0 - 3,000 umol/m <sup>2</sup> /sec
Flow rate	68 - 340 umol/m <sup>2</sup> /sec	68 - 340 umol/m <sup>2</sup> /sec
Chamber volume	1 L (75 mm height x 130 mm diameter)	
Soil moisture probe 0 – 100 % saturation	Above and below ambient	Above and below ambient
Temperature 0 – 50 °C	-5 °C - 50 °C	-5 °C - 50 °C
Soil collar for chamber	Yes	Yes
Soil moisture probe	Yes	Yes