

# Specification

Parameter	Reading range	Resolution <sup>[1]</sup>	Accuracy <sup>[2]</sup>	Test conditions <sup>[5]</sup> Reading range
Conductance	5.0 -1200 mmol m <sup>-2</sup> s <sup>-1</sup>	0.1 – 10	± 10 %	5 – 800 mmol m <sup>-2</sup> s <sup>-1</sup>
			± 20 %	800 – 1200 mmol m <sup>-2</sup> s <sup>-1</sup>
Conductance	0.25 – 30.0 mm s <sup>-1</sup>	0.01 – 0.1	± 10%	0.25 – 20 mm s <sup>-1</sup>
			± 20 %	20-30 mm s <sup>-1</sup>
Resistance	0.2 – 40 s cm <sup>-1</sup>	0.01 – 0.1	± 10 %	0.5 – 40 s cm <sup>-1</sup>
			± 0.2 s cm <sup>-1</sup>	0.2 – 0.5 s cm <sup>-1</sup>
RH	0 – 100%	0.1	± 4%	
Cup temp	-5 – +55 °C	0.1	± 0.7 °C	0 – 50 °C
Cup-leaf temp	-5 – +5 °C	0.1	± 0.2 °C	0 – 50 °C
PAR flux <sup>[3]</sup>	0 – 2500 μmol m <sup>-2</sup> s <sup>-1</sup>	10	± 15%	
Pressure <sup>[4]</sup>	600 – 1200 hPa, settable in steps of 5 hPa			
RH cycle level	20 – 80 %RH, settable in steps of 5%			

[1] Resolution varies with the magnitude of the value obtained. The range shown corresponds to the reading range. In relative terms, the resolution is better than 2%, but at least the smallest amount shown.

[2] The stated accuracy applies over the range of the calibration plate and for optimum cup conditions, i.e. from +10 to -5 °C difference between actual cup temp. and that existing at calibration, and for +2.5 to -2.5 °C difference between leaf and cup temperatures.

[3] Spectral and cosine responses are approximate only.

[4] Ambient pressure may be read from a Wristwatch Barometer type PBR1.

[5] Cycling at extreme combinations of temperature, conductance and RH level may not always be possible.