

FreshView® Sensors
High quality, robust sensing technology

We offer a range of high-quality Australian-made sensors for use in conjunction with, or independent of, the FreshView® EC12 Environmental Controller. Sensors are available for the detection of ripening gas (ethylene), carbon dioxide, temperature, relative humidity, pulp temperature and oxygen.

Each sensors provides an analogue output signal and is housed in an enclosure that provides suitable protection against water and dust ingress (IP65¹). Sensors can be interfaced with other monitoring and control systems, including those manufactured by third parties.

...high-quality
Australian-made
sensing technology...

- Australian Made
- High Quality Sensing Technology
- Robust Design
- Water & Dust Resistant



¹IP65 (enclosure),
IP54 (sensor)

¹IP65 (enclosure),
IP54 (sensor)

Transmitter type:	Ripening Gas Transmitter (PDS-EC-TX-RG1000/100)	Carbon Dioxide Transmitter (PDS-EC-TX-CO2)	Temperature Transmitter (PDS-EC-TX-T)	Relative Humidity Transmitter (PDS-EC-TX-RH)	Pulp Temperature Transmitter (PDS-EC-TX-PT)	Oxygen Transmitter (PDS-EC-TX-O2)
Measuring Range:	0 to 1000 / 0 to 100 ppm 0 to 10 ppm	0 to 20% CO ₂ 0 to 5% CO ₂	-40 to +60 degrees C	0 to 100 %RH	-40 to +60 degrees C	0 to 25% O ₂
Sensor Technology:	PID / PID	NDIR	Pt100 RTD	Capacitive	Pt100 RTD	Capillary Flow Control
Accuracy:	n/a	+/- 0.5% CO ₂ +/- 0.125% CO ₂	+/- 0.2 degrees C	+/- 2% RH	+/- 0.2 degrees C	+/- 0.1% O ₂
Sensitivity:	± 1 ppm if <= 100ppm or if > 100 ppm 10% of value	0.25% CO ₂	n/a	n/a	n/a	n/a
Long-term Stability:	n/a	Within 5% of range over 5 years	0.2 degrees C over two years	+/- 2% RH over two years	0.2 degrees C over two years	+/- 0.1% O ₂ over two years
Warm-up time:	1 minute	<30 minutes to reach specifications	n/a	n/a	n/a	n/a
Power:	8 to 35 VDC	10 to 30 VDC	n/a	9 to 30 VDC	n/a	7.5 to 35 VDC
Output:	Analogue: 4 to 20 mA	Analogue: 4 to 20 mA	3WRTD	Analogue: 4 to 20 mA	3WRTD	Analogue: 4 to 20 mA
Probe Cable Length:	n/a	n/a	n/a	n/a	5 metres (other lengths available to order)	n/a
Probe Construction:	n/a	n/a	n/a	n/a	316 stainless-steel body, 4 mm (OD), 150 mm (L), with tapered chisel-end tip	n/a