FreshView® SmartStation

Smart 3G Monitoring of Perishable Commodities

**Image shown represents full sensor suite, which includes optional C02, temperature & relative humidity sensors*

The *FreshVIEW® SmartStation* provides measurements of Ethylene, as well as optional CO2, temperature and relative humidity. Quality Assurance professionals use the Smart Station to collect the data they need to manage these parameters accurately and efficiently in controlled atmosphere facilities, cold storage and de-greening facilities.

The SmartStation employs the latest PID (photoionisation detection) technology to measure Ethylene which provides greater accuracy and repeatability of data collected.

The data collected from the SmartStation is sent via 3G to our dedicated web portal SPOKEdata.com.au for viewing and retrieval. The Smart Station has the ability to email/SMS alarms to single or multiple recipients ensuring peace of mind to operators outside of normal operating hours.

- Latest PID Ethylene detection technology
- Optional CO2 sensor, Temperature & RH Sensor
- Multiple recipient alarming via email/SMS
- Remote data retrieval/viewing via web portal
- Compact design at only 150mm x 200mm x 20mm
- Plug 'n' play installation

Sensors

Sensing technology for use with FreshView® SmartStation

The *FreshVIEW® SmartStation* utilises highly accurate sensors for the detection of Ethylene, relativity humidity, temperature and carbon dioxide (CO2).

Ripening Gas Sensor

Measuring range: (ethylene)	0 to 10 / 0 to 100 / 0 to 1000 ppm
Sensor technology:	PID / PID
Sensitivity:	0.01 ppm / 0.1 ppm / 1 ppm
Power:	8 to 35 VDC
Output:	*Analogue:* 4 to 20 mA

Temperature Sensor (optional)

Measuring Range:	-40 to +60 degrees C
Sensor Technology:	Pt100 platinum RTD
Accuracy:	+/- 0.2 degrees C
Long-term Stability:	0.2 degrees C over two years
Output:	3WRTD

Relative Humidity Sensor (optional)

Measuring Range:	0 to 100% RH
Sensor Technology:	Capacitive
Accuracy:	+/- 2% RH
Long-term Stability:	+/- 2% RH over two years
Power:	9 to 30 VDC
Output:	*Analogue:* 4 to 20 mA

Carbon Dioxide Sensor (optional)

Measuring range:	0 to 20% CO_2 / 0 to 5% CO_2
Sensor technology:	NDIR
Accuracy:	+/- 0.5% CO_2 / +/- 0.125% CO_2
Sensitivity:	0.05% CO_2
Long-term Stability:	Within 5% of range over 5 years
Warm-up time:	<30 minutes to reach specifications
Power:	10 to 30 VDC
Output:	*Analogue:* 4 to 20 mA

Remote Web Portal

Access & monitor your system using your web-enabled device

The **SPOKEdata.com** web portal allows for remote monitoring and control via an exclusive customer code, username and password login, providing the end user with 'round-the-clock peace of mind for their valuable produce.

Monitor Multiple Sites via a single Remote Web Portal

FreshView®
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