

# Series 320 and 520

## Gas Monitors

- High accuracy and functionality
- Easy to operate and maintain
- Control and data outputs
- Rapid T90 response
- High and low alarm outputs
- Interchangeable sensor heads
- Tamperproof and water resistant
- Data logging functionality (Series 520 and 525)
- Temperature and RH sensor (Series 325 and 525)



## Specifications

Measurement units	ppm or mg/m <sup>3</sup>
Display type	LCD
Reading functions	Minimum, maximum, average, 15-minute
Sensor head	Interchangeable, replaceable, refurbish-able
Alarm features	Low alarm, high alarm, mute (configurable)
Display status indicators	Alarm, battery, sensor, standby
External signal functions	Low alarm, high Alarm, control (150mA max)
Sensor calibration features	Zero calibration
Analog output	0-5V
Digital interface (Series 520 and 525)	Serial RS232
Data logging capacity (Series 520 and 525)	4,300 data points (3,400 for Series 525)
PC data logging (Series 520 and 525)	Software and data cable supplied
Clock function (Series 520 and 525)	Real time
Power supply	12V DC (power adaptor/charger supplied 100-250V AC)
Rechargeable battery - UPS	Ni-MH 9.6V DC   2100mA/h
Permanently fixed	Screw fix
Operating temperature range	-35°C to 120 °C
Enclosure casing and rating	Fibre Reinforced Polycarbonate (FRP); IP41 NEMA 2 equivalent
Enclosure size	180 x 252 x 90 (mm); 7 1/8 x 9 7/8 x 3 1/2 (in)
Temperature and RH sensor (Series 325 and 525)	Range -40°C to 124 °C (-40°F to 255 °F)   Range 0 to 100% RH
Approvals	Part 15 of FCC Rules EN 50082-1: 1997 EN 50081-1: 1992



Available gas sensor heads  
(see also *Sensor Specifications* datasheet)

Ammonia (NH<sub>3</sub>)  
Carbon dioxide (CO<sub>2</sub>)  
Carbon monoxide (CO)  
Hydrogen (H<sub>2</sub>)  
Hydrogen sulphide (H<sub>2</sub>S)  
Methane (CH<sub>4</sub>)  
Nitrogen dioxide (NO<sub>2</sub>)  
Non methane hydrocarbon (NMHC)  
Ozone (O<sub>3</sub>)  
Perchloroethylene  
Sulphur dioxide (SO<sub>2</sub>)  
Volatile organic compounds (VOC)