

SafeGuard Air Monitoring Instrument



Due to be launched at the beginning of 2020 the SafeGuard is the latest addition to the Factair test instrument range. This configurable instrument is available for monitoring either atmospheric or compressed-air supplies (up to 10 barg). Up to 6 different gas sensors can be fitted to suit a client's individual requirements

The unit has a volt free contact to allow it to be used for a range of scenarios such as sounding an external alarm or shutting down equipment. Alarm settings and the datalog file can be configured by the user over a wireless interface. Designed for challenging ambient light conditions the large 3.5" LCD display shows live sensor readings. If any of these exceed the configurable alarms levels they automatically change colour to indicate which of them are now in alarm. At the same time a 360° edge light will show users who cannot directly see the screen that the unit is in alarm.



The instrument can be powered directly from a 110/230V mains supply via an adaptor (or 12/24V AC/DC) and also incorporates rechargeable batteries as a back-up providing up to 3 hours of run time.

For multiple units there is also an option for mesh connectivity, so that if any SafeGuard goes into alarm it automatically triggers every other instrument in the group. Future options include fully featured cloud based data logging over WiFi or a GSM connection and a remote alarm beacon.

Model	Pressure	Dimensions	Weight	Connections
Compressed-air	0-10 barg	160mm long x 100mm high x 85mm deep	0.5Kg	Rectus 20KA
Atmospheric	50 metre draw			Luer Lock

Up to 6 different gas sensors can be fitted – the most popular options include

Sensors	Range	Sensor type
O ₂	0-25%	Electrochemical
CO	0-20 PPM	Electrochemical
CO ₂	0-5000 PPM	Non-Dispersive Infrared
VOCs	0-40 PPM	Photoionisation Detector (PID)
LEL	0-100%	Non-Dispersive Infrared
H ₂ S	0-10 PPM	Electrochemical
Temperature and Relative Humidity	-10 to 40°C / 0-100% RH	Fitted as standard

If you require an alternative sensor please contact Factair