

# SEE THE

## Meets Requirements for ISO 23875 Compliance

# UNSEEN



## Threats that Impact Cab Air-Quality

### Low Pressure

When HVAC performance is degraded by dirt in the system, cab pressure commonly falls below ambient pressure, and harmful particulate is drawn into the cab.

### Dust

Long-term exposure to harmful respirable particulates such as silica, asbestos, and coal dust can cause irreversible, incurable diseases such as silicosis, mesothelioma, COPD, and more.

### Elevated CO<sub>2</sub> Levels

As the operator exhales in a small, enclosed space, carbon dioxide levels can rise quickly, especially with HVAC in recirculation mode. High levels can lead to accidents from fatigue, drowsiness, and sudden sleep.

## Control These Threats With a RESPA<sup>®</sup> Cab Air-Quality System

**RESPA CF2:** Fresh-air pre-cleaner/filter/pressuriser

**RESPA PFX or CFX2:** High-efficiency recirculation filtration

**RadialSHIELD<sup>®</sup> Filters:**  
Interchangeable  
high-efficiency filter  
options



# RESPA ADVISOR+ 2.0

PRESSURE + DUST + CO<sub>2</sub> MONITORING SYSTEM

## Features:

### Cab Pressurisation

The monitor reports cab pressurisation levels in realtime to support a controlled air-quality environment.

### Advanced CO<sub>2</sub> Monitor

Not all CO<sub>2</sub> sensors are created equal. The RESPA Advisor+ includes a nondispersive infrared sensor (NDIR), as specified in ISO 23875, to provide realtime CO<sub>2</sub> data to alert operators when unsafe air-quality conditions exist.

### Dust Indicator

Alerts the operator to excessive dust levels in the cab.

### Customisable Settings

Admin settings can be configured to suit your needs. Metric and imperial pressure units, high and low pressure thresholds, CO<sub>2</sub> limits, alarm behaviour, data sampling intervals for logging, and more.

### At-a-Glance Dashboard

View pressure, CO<sub>2</sub> dust levels, filter information, and other settings on a numerical rather than analogue display.

### Audible and Visual Alarms

Built-in alarms alert the operator when pressurisation or CO<sub>2</sub> levels go outside of the allowable threshold.

### ISO 23875-Compliant

Meets ISO 23875 performance requirement for realtime operator cab monitoring, including stringent CO<sub>2</sub> sensor specifications.

### Interactive LCD Display

A full-colour, interactive, LCD touchscreen is easy to use and quick to learn, making it seamless to integrate into the operator's enclosure.

### Ready for Job Sites Worldwide

Symbol-based interface for ease of use for all users, regardless of native language, with metric and imperial units of measure.

### Designed for Cab Environment

The small size and dark colour scheme blend into any operator cab environment, while the matte surface texture eliminates fingerprints and glare, a potential visual safety concern.

### CAN Output

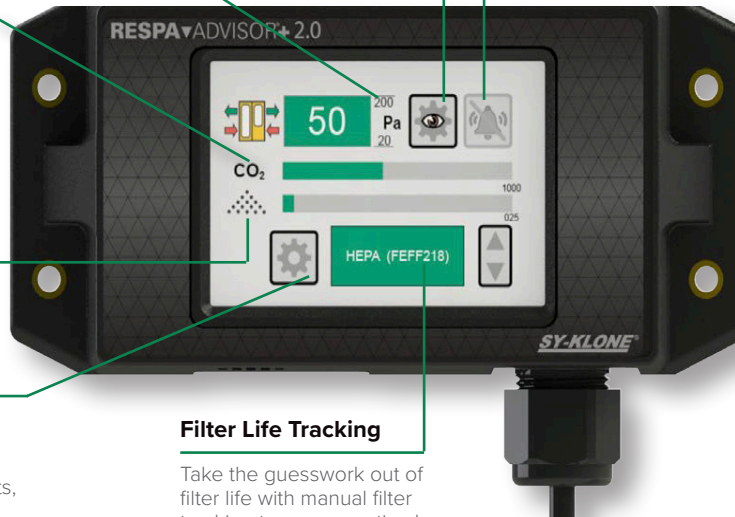
SAE J1939 CAN output is available for telemetry systems.

### Download Data for Analysis

Gain insights into the operator cab environment with data logging at an interval you specify. Download the data via USB for analysis.

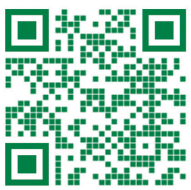
### Dimmable screen

Reduce night time distraction by lowering the light emitted from the screen.



### Filter Life Tracking

Take the guesswork out of filter life with manual filter tracking to ensure optimal filter life and performance.



Manual and Support, visit [Sy-Klone.com/RAinfo](http://Sy-Klone.com/RAinfo)

## Product Specifications:

### Voltage:

(12-24 VDC)

Under-voltage protection @ 10 VDC

Over-voltage protection @ 30 VDC

Reverse-polarity protection.

### Current Consumption:

~1 mA

### Operating Temperature Rating:

-10 °C to +60 °C

### Connectors:

Deutsch

### Storage Temperature Rating:

-55 °C to +125 °C

### Operating Pressure Range:

0 to 500 Pascal (Pa)

### Operating CO<sub>2</sub> Range:

0 to 5 000 ppm

### Pressure Display Resolution:

1 Pa (0.01 Inches-H<sub>2</sub>O)

### Weights and Dimensions:

#### Monitor:

269 g

164.9 x 75.3 x 54.6 mm

#### Control Module:

527 g

203.2 x 139.7 x 70.5 mm

### Pressure Port Tubing:

Black Tube

Ø 3.2 mm x 2440 mm



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