RESPA Advisor+ Cab Monitoring System

The RESPA Advisor+ cab monitoring system provides visibility to the air quality in the operator cab. With the RESPA Advisor+, see the unseen threats on an industrial job site, including: unsafe levels of CO_2, which can lead to operator fatigue and loss of alertness, and loss of cab pressure, which can allow harmful respirable particulate to enter the cab. The RESPA Advisor+ is one of the only monitors that meets ISO 23875 performance requirements for in-cab pressure and CO_2 monitoring, enabling your team to deliver ISO 23875-compliant installations for fixed and mobile enclosures at industrial job sites.

Cab Pressurization
The monitor reports cab pressurization levels in near-real-time to provide the machine operator an indicator of cab environment

High Quality CO_2 Monitor
Not all CO_2 sensors are created equally. The RESPA Advisor+ includes a high-accuracy integrated sensor to provide near-real-time CO_2 data to alert operators when unsafe air quality conditions exist.

Filter Life Tracking
Take the guess work out of filter life, with manual filter tracking to ensure optimal filter life and performance

Audible and Visual Alarms
Built-in alarms alert the operator when pressurization or CO_2 levels go outside of the allowable threshold

Interactive, LCD Display
Full-color, interactive LCD screen is easy to use and quick to learn, making it seamless to integrate into the jobsite

ISO 23875 Compliant Monitor
Meets ISO 23875 performance requirement for near-real-time operator cab monitoring, including stringent CO_2 sensor specifications

Ready for Jobsites Around the World
- Metric and Imperial units of measurement
- Symbol-based interface for ease of use for all users, regardless of native language

Designed for Cab Environment
- Small size and dark color scheme blends into operator cab environment
- Matte surface texture eliminates glare and potential visual safety concern

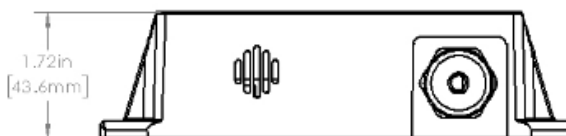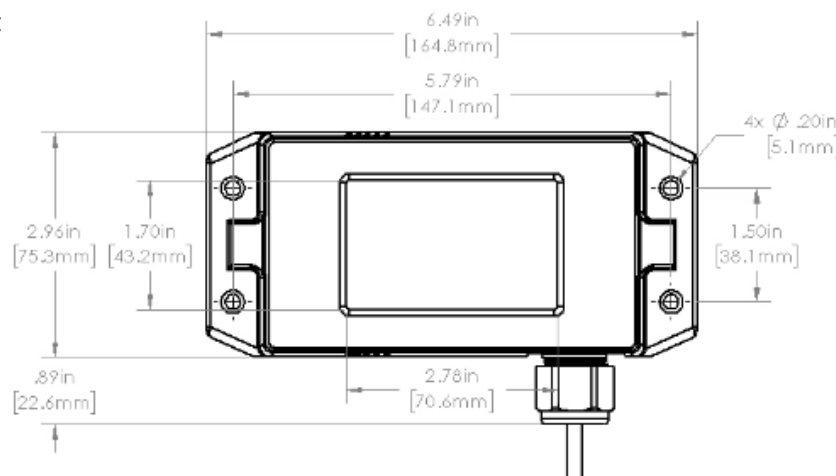## Access Data for Better Insights into the Operator Cab Environment
- Data logging with download capability via Bluetooth
- Admin access for managing settings and alarms
- Smartphone App to access and share data logs

SY-KLONE INTERNATIONAL®

LSM TECHNOLOGIES

RESPA▼ADVISOR+
PRESSURE + CO_2 MONITOR

RESPA Advisor+ Technical Specifications

RESPA Advisor+ Specifications

- **Voltage**: 12-24 VDC (Undervoltage protection @ 10 VDC; Overvoltage protect VDC)

- **Current Consumption**:
  - Main Module: Less than 30 mA
  - Ambient Pressure Sensor: Less than 0.6 mA

- **Inside/Outside Operating Temperature Rating**:
  - Main Module: -10°C to 60°C (Inside cab)
  - Ambient Pressure Sensor: -40°C to 80°C (Outside cab)

- **Storage Temperature Rating**: -55°C to 125°C

- **Operating Pressure Range**: 0 to 400 Pascal (Pa) (0 to 1.61 Inches-H_2O)

- **Operating CO_2 Range**: 0 to 5000 ppm

- **Display Resolution**: 1 Pa (0.01 Inches-H_2O)

- **Dimensions:**
  - Main Module: 164.8 x 75.3 x 43.6 mm (6.49 x 2.96 x 1.72 inches)
  - Ambient Pressure Sensor: 134.3 x 81.1 x 44.1 mm (5.29 x 3.19 x 1.74 inches)

- **Weight**
  - Main Module: 426 g (15 oz)
  - Ambient Pressure Sensor: 368.5 g (13.1 oz)

- **Connector:** Deutsch part number DT04-2P-E005, qty 1; W2P secondary lock, qty 1; 0460-202-16141 contact pins, qty 2

Main Module

Ambient Pressure Sensor (APS)