



PMD100 Personal Safety Monitor

AIR QUALITY MONITOR

Using the Scentroid PMD100 personal safety air quality monitoring device equipped with a visual and an audible alarm system offers several benefits for workers in a wastewater treatment facility. Firstly, the visual and audible alarm systems can alert workers when air quality levels are unsafe, helping them to take immediate action to protect themselves.

Secondly, the device can provide workers with real-time data on their personal exposure levels, helping them to monitor their own safety and avoid exposure to harmful pollutants.

Finally, the Scentroid PMD100 can help facility operators to identify areas where air quality may be a concern and take action to improve conditions. By providing workers with a tool that allows them to monitor their own safety and take action when necessary, facility operators can promote a culture of safety and improve overall worker health and wellbeing.

Specifications

Product Name	Scentroid PMD100 Personal Monitoring Device
Maximum # of Sensors	2
Type of Sensors	2x EC, Temperature, Relative Humidity, Ambient Pressure
Sampling Rate	Continuous gas sampling, T & RH & P every 5 minutes
Weight	< 220 g
Size	6 x 7 x 3 cm
Screen Dimensions	24 x 47 mm
Communication	Bluetooth low energy
Power Requirement	Replaceable Lithium Battery
Typical Lifespan	1 working year
Ground Station	Included by Default
Cloud Server	SIMS3 - included by default
Alarm Equipped	Audio level 95 dB, Visual: LED RED strip surround
Haptic	Vibration feedback
Temperature Range	-20 °C to 55 °C
Relative Humidity	5 - 95%
Casing	IP54
Warranty	24 months full warranty to all parts including sensors
Sensor Replacement	Sensor dependent - first year covered by warranty
Back Clip	Mountable using mounting bracket/stand, alligator clip to connect to clothing
Features	SOS signal, administrator message broadcast and receipt, approximate localization within a facility (indoor and outdoor), fall detection with user intervention for false positive