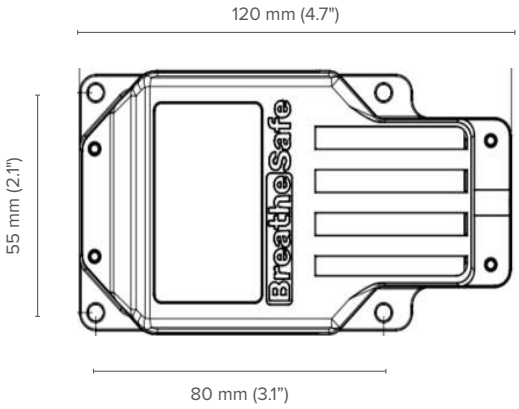
Technical Data Sheet
OnGuard Air Quality Sensor Pod


200368 Sensor Pod

BreatheSafe's OnGuard air quality sensor pod is a compact and robust tool for measuring enclosure air quality. This unit measures and relays CO_2 concentration, Particulate Matter (PM) concentration and PM count data back to the main unit in real-time. A coarse filter is used to remove non-respirable particles from the air before it reaches the sensors, prolonging the life of the unit and improving its accuracy in measuring respirable particles.



Detail	Description
Part Number	200368
Outer Dimensions (LxWxH)	120 x 66 x 42 mm (4.7 x 2.5 x 1.6")
Mounting Locations (LxW)	80 x 55 mm (3.1 x 2.1") I Holes suit M4 bolts
Weight	140 g (0.3 lb)
Filter Media	G4
Current	< 50 mA
CO_2 Sensing Type	Non-Dispersive Infrared
PM Sensing Type	Optical Particle Counter Measuring Particle Count and Mass Concentration
Particulate Matter (PM) Detection	1 µm, 2.5 µm, 4 µm, and 10 µm
CO_2 Sensing Range	400 - 10,000 PPM
CO_2 Sensing Accuracy	+/- 30 PPM
PM Sensing Range (with Precision)	0 - 1000 µ/m³
PM Sensing Accuracy	+/- 10%
Communication Protocol	RS-485
Operating Temperature	0 - 50°C
Operating Voltage	Powered directly from the Main Unit (12 V)