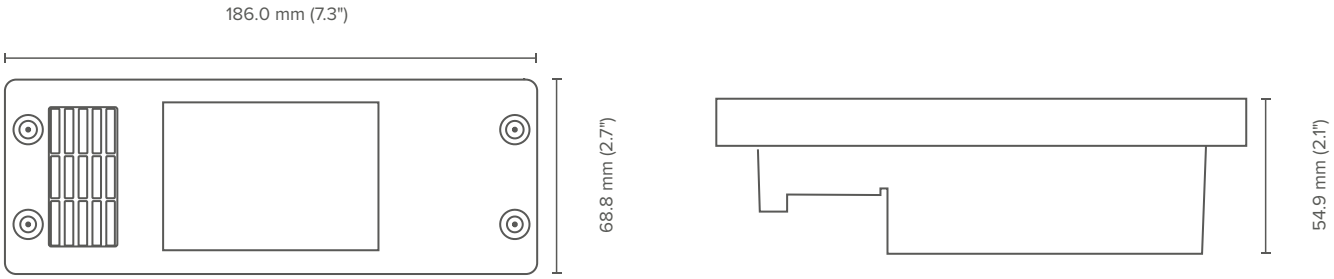
Technical Data Sheet

OnGuard User Interface Touchscreen with Sensors



200510

BreatheSafe's OnGuard Touchscreen User Interface with Sensors is a key peripheral of the OnGuard System. It provides operators a sleek and intuitive interface to monitor and adjust the system's critical air quality and control parameters. The touchscreen is equipped with built-in sensors that measure CO_2, PM mass concentration, PM count, and temperature. It is powered by the OnGuard Main Unit through a RJ45 connector.



Technical Data

Detail	Description
Part Number	200510
Outer Dimensions (LxWxH)	186 x 68.8 x 54.9 mm (7.3 x 2.7 x 2.1")
Mounting Locations (LxW)	169.5 x 33 mm (6.6 x 1.2") I Holes suit M5 counter-sunk phillips head bolt
Weight	294 g (0.6 lb)
Display Type	3.5" TFT LCD Resistive Touchscreen Display
Operating Temperature	-40 - 70°C
Operating Voltage	12 VDC (Powered via RJ45 from Main Unit)
Current Draw	< 85 mA
Lifetime	> 5 years
Physical Interface	RJ45
Filter Media	G4
CO_2 Sensing Type	Non-Dispersive Infrared
CO_2 Sensing Range	400 - 10,000 PPM
CO_2 Sensing Accuracy	+/- 30 PPM
PM Sensing Type	Optical Particle Counter Measuring Particle Count and Mass Concentration
PM Sensing Range	0 - 1000 µ/m³
PM Sensing Accuracy	+/- 10%
PM Detection Size Range	PM1, PM2.5, PM4, and PM10
Temperature Sensing Type (Optional)	NTC Thermistor
Temperature Sensing Range (Optional)	-10 - 105°C
Temperature Sensing Accuracy (Optional)	+/- 1°C