

Biosystems™ TravelPanel 50MP

Portable Air Filtration System



A PORTABLE AIR FILTRATION SYSTEM FOR SUPPLIED AIR RESPIRATORS

KEY FEATURES

HOUSING

Rugged, durable, lightweight, and portable.

DIMENSIONS

58 cm x 41 cm x 23 cm / 23" x 16" x 9" (L x W x D).

WEIGHT

11.3 kg / 25 lbs.

POWER

Internal NiMH rechargeable battery with external wall cube power supply.

BATTERY LIFE

Rechargeable battery allows up to 50 hours of run time.

DISPLAY

Clear, built-in viewing window.

ALARMS (AUDIBLE)

High intensity audible alarm rated at a minimum of 108db@30cm.

ALARMS (VISUAL)

Automatic filter change indicator and Optional LED Strobe Light.

ALARM OPTION

Optional low pressure alarm standard set at 80psi descending.

The Biosystems TravelPanel 50MP is a portable air filtration system designed to provide Grade-D breathing air for 1 to 4 workers using supplied air respirators. The TravelPanel 50MP can supply 50 cubic feet per minute (CFM) of purified air and regulates the outlet pressure to comply with NIOSH requirements for your respirator.

Designed to purify compressed breathing air, the Biosystems TravelPanel 50MP removes water, oil, and particulates as small as 0.01 microns, organic substances and odors. The incorporated MultiPro™ gas detector monitors

the air for CO (carbon monoxide) and the optional O₂ sensor can also monitor the oxygen level. The MultiPro offers a blackbox recorder, datalogging capability, calibration reminder, and one button automatic calibration as standard features, all within the TravelPanel 50MP durable housing. The TravelPanel 50MP is portable requiring no AC power to operate. Output pressure is adjustable to the respirator manufacturer's recommended pressure. As a precaution, the output pressure is automatically limited to 125psi, the NIOSH maximum.

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TravelPanel 50MP Capabilities

CAPABILITY	DESCRIPTION
Output	50cfm (cubic feet per minute) of purified filtered air.
Filtration	Three (3) stage filtration system removes liquids, oil mist, fine particulates, and odors. Filter efficiency is 99.99% @ .01 microns.
Pressure	Regulated, with 125psi pressure relief valve.
Connections	Choice of 4 Hansen or Schraeder quick disconnect outlets (3/8").
Monitor	MultiPro CO monitor with optional O ₂ sensor, automatic blackbox recorder / datalogging, and calibration reminder.
Calibration	One button auto calibration, no pots to turn or buttons to press to adjust the span.
Alarm Setting	CO 10 ppm, O ₂ 19.5/23.5

Optional Locking Stabilizer Legs keep the TravelPanel steady and upright during operation.

Replacement Parts

PART NO.	DESCRIPTION
54-49-01	CO Sensor*
54-49-90	O ₂ Sensor*
54-9033	Calibration/Test Gas, CO 50 ppm, 103 liters (requires 12-023 regulator).
12-023	Regulator for 54-9033.
54-9036	Calibration/Test Gas, CO 50 ppm, 34 liters (requires 12-022 regulator).
12-022	Regulator for 54-9036.
54-51-001	Calibration Kit (includes 54-9033 CO calibration/test gas, 12-023 regulator and foam lined plastic carrying case).
54-51-002	Value Calibration Kit (includes 54-9036 CO calibration/ test gas, 12-022 regulator and foam lined plastic carrying case).
54-51-003	Filter Kit (includes Pre-filter, coalescing filter, charcoal filter, and O-rings).

*2-year warranty for O₂ and CO sensors.

Ordering Information

PART NO.	CODE	DESCRIPTION
54-50-ABCDE		
	A = 1	CO
	3	CO and O ₂
	B = 0	No Options
	1	LED Strobe Light
	2	Locking Stabilizer Legs
	3	Both
	C = 0	No Option
	1	Low Pressure Alarm
	D = N	Rechargeable
	A	Alkaline*
	E = H	Hansen outlet fitting
	S	Schraeder outlet fitting
54-50-331NH		Travel Panel 50MP with CO/O ₂ sensors, LED Strobe Light, Locking Stabilizer Legs, Low Pressure Alarm, Rechargeable battery, and Hansen outlet fittings
54-50-100NH		Hansen Outlet Fittings
54-50-100NS		Schraeder Outlet Fittings

SALES & SERVICE

Certified AIR SAFETY
2233 NW 23rd AVE
PORTLAND, OR 97210

TOLL FREE: 1-877-406-2109
PHONE: 1-503-226-2109
FAX: 1-503-226-0988

info@certifiedAIRSAFETY.com
www.certifiedAIRSAFETY.com

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