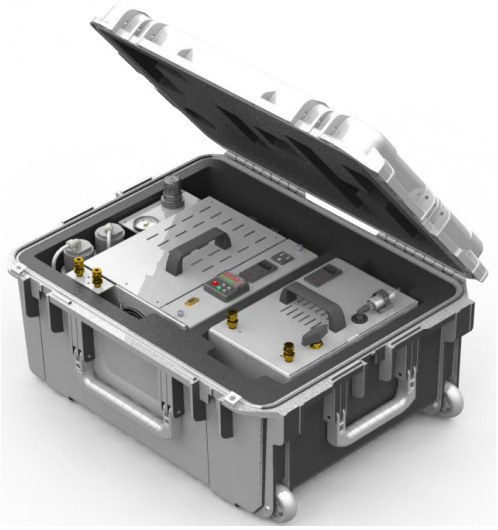
Sabio environmental *ambient pollution analyzers and calibration systems*

Model 2020-EXP
Portable Zero Air Source



Overview

The Model 2020-EXP is a portable source for clean, dry air designed to meet a wide range of requirements for the environmental industry including trace level applications. From supplying zero air for calibration systems to purge air for permeation ovens, the small package size and weight make the Model 2020-EXP the preferred choice for field and audit personnel as well as operating environments with limited bench space.

The Model 2020-EXP uses an internal permeation drying system for moisture removal and is coupled with filter canisters for scrubbing NO, NO2, O3, SO2 and H2S. Optional features such as the internal carbon monoxide (CO) oxidizer or internal hydrocarbon (HC) oxidizer further the Model 2020-EXPôs clean air capabilities.

User Benefits

Simple straight-forward controls allow local operation from the front panel, with the option to set the purge frequency and duration for optimum performance. Additionally, the unit automatically drains moisture and pressurized air once powered down.

The Model 2020-EXP is a split chassis design that has a removable Control/Cleanup module and a separate removable pump module that can be used together or independently. The split design allows the overall weight of the unit to be distributed for users to easily carry inside of shelters or locations that are difficult to access. All modules can be stored for shipment inside of the provided transport case that has a telescopic handle and wheels.

Remote activation is achieved using the air source control port and cable in conjunction with any Sabio calibrator. This exclusive feature allows the user to start and stop the unit as needed to avoid unnecessary run times; increasing pump life and decreasing service intervals.

Standard Features

- Standard 30 LPM @ 25 PSIG
- Pressure or Vacuum mode for pump module
- Condensate/purge valving for moisture removal
- Automatic purge frequencies
- Front panel mounted adjustable pressure regulator with pressure gauge
- Purge switch
- Internal permeation dryer
- Media canisters for removal of NO, NO_2, O_3, SO_2, H_2S
- Rugged top mounted carrying handles

Optional Features

Hydrocarbon Oxidizer

Carbon Monoxide Oxidizer

Dew Point Indicator

SPECIFICATIONS

Specifications subject to change without notice

AIR QUALITY	
Standard unit	NO, NO_2, O_3, SO_2, H_2S <0.025 ppb
Standard unit w/CO catalytic Oxidizer	NO, NO_2, O_3, SO_2, H_2S <0.025 ppb, CO < 5 ppb
Standard unit with Internal HC catalytic oxidizer	NO, NO_2, O_3, SO_2, H_2S <0.025 ppb, Hydrocarbon Ò.20 ppb
MECHANICAL	
Height Width Depth	11 in. (27.9 cm) 17 in. (43.1 cm) 21.0 in. (53.3 cm)
Average Weight	30 lbs (13.6 kg) modules in case 15 lbs (13.6 kg) pump module 10 lbs (13.6 kg) Control/Cleanup module 40 lbs (13.6 kg) w/HC Oxidizer
ELECTRICAL	
Standard	98-132 VAC
Optional	196-264 VAC, 50/60 Hz

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