

Portable Toxic Vapor Collector -- Model: SeaPort 4TD

Seacoast Science's SeaPort 4TD provides a tool for environmental monitoring for noxious and toxic vapors to help protect workers and the general public. The SeaPort-4TD is designed specifically for sampling using up to four conventional thermal desorption (TD) air-sampling tubes. Its flexible design allows for individually addressable sorbent tubes for short or long-term air monitoring using commercial, off the shelf (COTS) TD tubes. A simple but flexible user-interface allows the user to preprogram start, stop and flow profiles for each sorbent tube individually. An onboard photoionization detector (PID) set to a user-adjustable threshold may be set to trigger collection of air by the sampler. Alternatively, sampling start and stop times may be set independently for the four sorbent tubes. Design allows for easy exchange of TD tubes without interrupting active sampling.



SeaPort 4 TD

Multiple SeaPort 4TD collectors can be combined to increase the tube array to as many as 32 TD tubes and allows for collection of parallel samples.

The SeaPort 4TD is powered by a separate 12V battery pack or a power supply that plugs into a conventional 110 – 120 VAC wall outlet.

Applications

- Collection of toxic vapors from the air in any work environment
- Air sampling for environmental monitoring

Special features

- Flexible and programmable sampling sequences
- Individually Addressable Sorbent Tubes
- Combine up to 8 units to sample up to 32 tubes on a continuous run
- Hot Swap TD tubes without interrupting active sampling
- Compatible with Commercial Off-The-Shelf (COTS) Glass & Stainless-Steel TD Tubes
- Microprocessor controlled pump ensures consistent sample volumes
- Variable Sampling Times- From Seconds to Weeks
- Portable & Lightweight (<3 lbs)
- Hardwire USB to PC for programming
- (Optional) Sampling trigger by photo ionization detector (PID)

Specifications*

Dimensions <ul style="list-style-type: none"> • Height: 89mm (3.5") • Width: 175mm (6.9") • Depth: 166mm (6.6") 	Power Adaptor included <ul style="list-style-type: none"> • 12VDC to 120VAC • Rechargeable battery pack supplied separately
Weight <ul style="list-style-type: none"> • 1.2kg (2.7lb) – without TD tubes 	Operator Interface <ul style="list-style-type: none"> • LCD display – 8 lines x 27 characters • Navigation by key-pad or PC programming software
Sampling <ul style="list-style-type: none"> • 10 – 500ml/min ($\pm 5\%$ f.s.) • Programmable 0.001 – 1,000 L per tube • One (1) TD tube in operation at anytime 	Compatibility <ul style="list-style-type: none"> • Accepts 1/4" Stainless steel & 6mm glass TD tubes • Accommodates diffusion caps

*Sampling tubes and additional battery power packs are purchased separately. Maintenance kit and accessories are also available.