

Portable FID/PID

Thermo Scientific TVA-1000B

The TVA-1000B is the only over the shoulder portable vapor analyzer that offers both PID (Photoionization Detection) and FID (Flame Ionization Detection). Users can measure a wide variety of organic vapors over an impressive dynamic range (0-50,000 ppm). The FID operates by breaking hydrogen-carbon bonds and is not limited by the ionization potential of the molecule.

FEATURES

- Dual simultaneous FID/PID or single FID detectors
- Portable and lightweight
- Multiple response factors and curves
- Multi-point calibration
- Eight programmable location labels
- On-board datalogging

APPLICATIONS

- Fugitive emissions monitoring
- Emergency response analysis
- Underground storage tank testing
- Hazardous waste site evaluation
- Industrial hygiene monitoring
- Natural gas leak detection



SPECIFICATIONS

Datalogging	On board	
Readout	Bar graph and 4-digit LCD	
Response Time	2 seconds	
Alarms	Low, High STEL	
Sample Flow Rate	1,000 cc/min.	
Power	Rechargeable NiCd battery	
Portable Operation Time	8 hours	
Safety Certifications	FM (Class I, Div. I, Groups A, B, C, & D Hazardous Location Temp. Class T4) CENELEC (Div. 1 Zones II and II Group IIC, Hazardous Location Temp. Class T4)	
Diagnostic	Yes	
Approximate Mass	5.5 Kg. (12 lbs.)	
Nominal Dimensions	(13.5 x 10.3 x 3.2)	
Analog Output	0-2V DC	
Repeatability	±1%	
Automatic Auto Ranging	Yes	
Options	Carrying case, charcoal filter and calibration kit	
	Photoionization	Flame Ionization
Dynamic Range	0-2,000 ppm	0-50,000 ppm
Fuel	None required	99.5% hydrogen
Min. Detectable Limit	100 ppb benzene	200 ppb benzene

CALL GEOTECH TODAY (800) 833-7958

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