

# Rental

## 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

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

**CALL GEOTECH TODAY (800) 833-7958**

Geotech Environmental Equipment, Inc.

2650 East 40th Avenue • Denver, Colorado 80205

(303) 320-4764 • (800) 833-7958 • FAX (303) 322-7242

email: sales@geotechenv.com website: www.geotechenv.com