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The Thermo Scientific TVA2020 Toxic Vapor Analyzer is a versatile and lightweight instrument designed for the detection of a wide range of organic and inorganic compounds. Ideal for various applications, including U.S. EPA Method 21 monitoring, site remediation, landfill monitoring, and general area surveys, the TVA2020 features advanced Flame Ionization Detector (FID) technology for high-sensitivity measurements. It can be configured with both FID and Photoionization Detector (PID) technologies for simultaneous detection, offering comprehensive gas coverage and faster readings. The analyzer's compact design is 21% lighter than previous models, enhancing portability and reducing user fatigue.

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FEATURES

- Dual FID/PID detection capabilities
- Bluetooth connectivity
- Lightweight, compact construction
- Field-serviceable
- Operates without the need for PC software

CALL GEOTECH TODAY (800) 833-7958

Geotech Environmental Equipment, Inc. 2650 East 40th Avenue Denver, Colorado 80205 (303) 320-4764 FAX (303) 322 7242 email: sales@geotechenv.com website: www.geotechenv.com



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Technical Specifications		Choose from the following configurations/
Accuracy	FID Instrument – $\pm 10\%$ of reading or ± 1.0 ppm, whichever is greater, from 1.0 to 10,000 ppm. PID Instrument – $\pm 20\%$ of reading or ± 0.5 ppm, whichever is greater, from 0.5 to 500 ppm.	options to customize your own TVA2020 Toxic Vapor Analyzer
Repeatability	FID Instrument – $\pm 2\%$ at 500 ppm of methane PID Instrument – $\pm 1\%$ at 100 ppm of isobutylene	A = 120 VAC 50/60 Hz (NA)
Linear Range	FID Instrument – 1.0 to 50,000 ppm of methane PID Instrument – 0.5 to 2,000 ppm of isobutylene	2. Detector
Response Time	FID Instrument – Less than 3.5 seconds for 90% of final value, using 10,000 ppm of methane PID Instrument – Less than 3.5 seconds for 90% of final value, using 500 ppm of isobutylene	4 = Dual configured with FID and Photo Ionization Detection (PID)
Sample Flow rate	1 liter/minute, nominal, at sample probe inlet	N - No probo
Battery	The battery operating time is 10 hours minimum at 0 °C (32°F). Fully charged in less than 10 hours.	S = Sampling probe
Hydrogen supply operating time	10 hours of continuous operation, starting from a cylinder charged up to 15.3 MPa (2200 psi)	A = Enhanced Probe C = Both sampling and enhanced probes
Physical Dimensions	11.5" × 9" × 4" (29.2 cm × 22.9 cm × 10.2 cm)	4. Outputs
Weight	FID only—9.2 lbs Dual—9.4 lbs	1 = None
Temperature Range	-10°C - +45°C	3 = GPS
Minimum	The minimum detectable level is defined as seven times	4 = Both bluetooth and GPS
Detectable Limit	the standard deviation of peak-to-peak noise. FID Instrument - 0.5 ppm of methape	5. Shipping
	PID Instrument - 0.5 ppm of isobutylene	N = None
Lamp Life	FID Instrument - Greater than 5,000 hours PID Instrument - Greater than 2,000 hours, with normal cleaning	C = Transportation case R = Hydrogen refill assembly
Data Storage Interval	Auto mode – 1 per second to 1 per 999 minutes, user selectable VOC or FE Mode – 2 to 30 seconds, user selectable	B = Case and refill assembly6. Certification
Relative Humidity Range	15-95%	2 = USA: Class I, Division 1, Groups A,B,C,D T3 Canada: Class I, Zone 1, Ex db ib IIC T3 Gb ATEX: CE0359 Ex II 2 G Ex db ib IIC T3 Gb

IECEx: Ex db ib IIC T3 Gb

Your Order Code: TVA2020 -



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