

FBXTHM: Total Hydro-carbon Monitor

Technical specification



FBXTHMG



FBXTHMW

- Both FBXTHMG and FBXTHMW models are functionally same (the LCD backlight varies)
- FBXTHM shows a crude value of TVOC (total VOC and hydrocarbon) gases

Note: This is NOT an accurate device for the measurement of TVOC

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Parameters	Specifications
Target gas detection	LPG / CNG – highly sensitive Benzene – highly sensitive Toluene and Xylene – moderate sensitive Smoke – highly sensitive Alcohol – highly sensitive IPA – moderate sensitive Formaldehyde (HCHO) – less sensitive Petrol / Diesel – highly sensitive PVC solvents, glue bonding agents – highly sensitive
Interference gas	Alcohol, CO
Warm-up time	3-5 minutes
Response Time (T90)	<10 seconds
Hydrocarbon detection Range	0-50 ppm
Resolution	1 ppm
Operating range	Humidity (0-100%rh) Temperature 0°C-70°C
Accuracy	±10% for values < 20 ppm ±15% for values >20 ppm
Display	0-10 ppm FRESH 10+ ppm STALE
Long term stability	±0.5%rh



Air Quality Index	Recommended actions
Good	Breathing air quality is healthy
Normal	Air purifier is preferable. Might cause breathing troubles (like coughing, sneezing) if exposed for a prolonged duration
Poor	Not good for health. Will cause health hazard if continuously exposed under these breathing conditions
ALARM	Smoky air, not fit to breathe even for more than 10-15 minutes. Recommend to turn off the monitor in such cases