



Nanova
Environmental

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Handheld TVOC Gas Detector

The NovaTest P50 handheld gas detector utilizes our self-developed high-performance patented PID sensor, which is compact and convenient in design, and is equipped with intelligent control. The P50 is a multi-functional gas detector integrating gas sampling, water vapor and dust filtration, temperature and humidity measurement, time and alarm recording, and data storage.

For rapid VOC detection:

- Petrochemical and Hydrocarbon Leak Detection
- Hazmat response
- Textiles and Leather Goods
- Off Gassing Investigation
- Fire Emergency and Arson Investigation
- Environmental
- Vehicle Monitoring
- Pharmaceutical



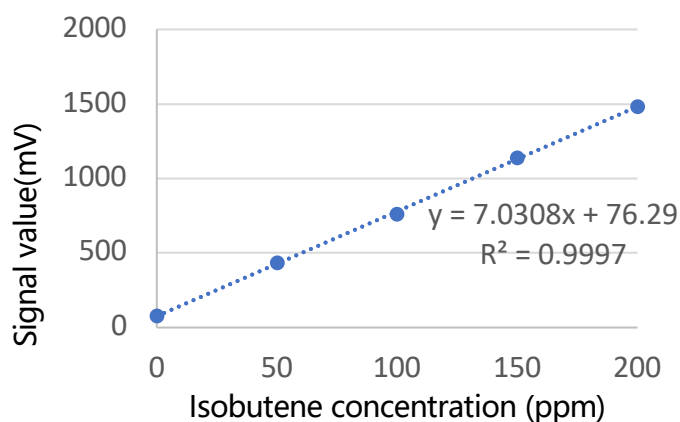
Features

- Built-in pump with an integrated dust and water vapor filter, providing robust protection to sensor and instrument in challenging environments.
- High performance 10.6 eV PID sensors, offering multiple detection ranges (20/200/2000/5000/10000 ppm).
- High-Definition Interface: the color screen displays real-time concentration, alarms, time, temperature, humidity, storage capacity, and other relevant information.
- User Selectable Display Mode, including gas concentration display, real-time and historical graphical display, as well as the option to show maximum and minimum values.
- Supports both real-time and scheduled detection.
- When not in use, the pump can be turned off to extend the operating time.
- Multiple alarm modes, such as sound and visual alarms, vibration alert, and visual alarms on the display screen. Different alarm types include concentration alarm, undervoltage alarm, fault alarm, and fall alarm.

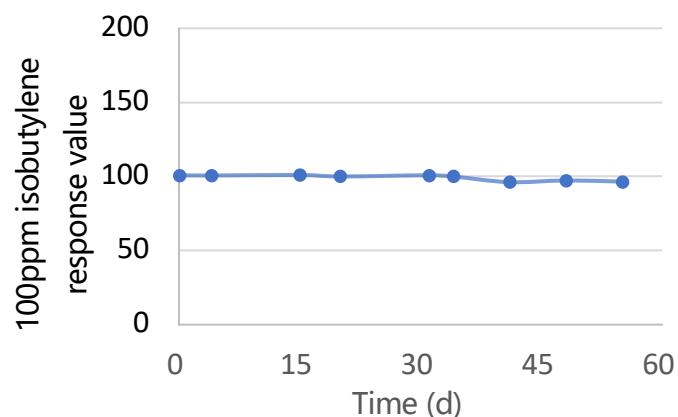
Technical Parameter

Optional ranges	20/200/2000/5000/10000 ppm	Sensitivity	0.001/0.01/0.1 ppm
Detection method	Built-in pump	Display mode	HD color screen
T90 response time	≤ 15 s	Protection grade	IP65
Ultraviolet lamp	10.6 eV	Accuracy	±3% FS
Linearity (R²)	≥ 0.995	Repeatability	≤ 2%
Operating temperature range	-40 ~ 158 °F	Size	160*70*28mm (6.3*2.8*1.1 in)
Operating humidity range	0 ~ 95% R.H. (non-condensing)	Weight	300 g (10.6 oz)

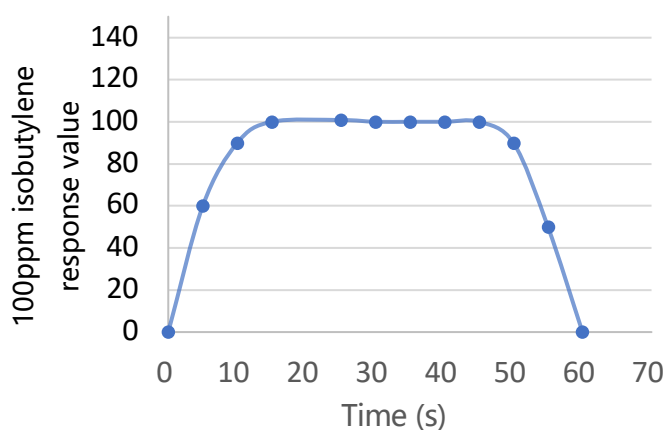
Linearity



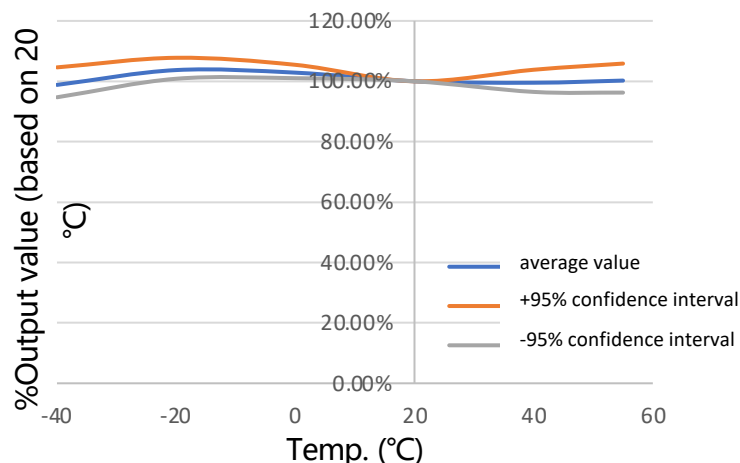
Long-term Stability



Response Time



Temperature Characteristic Curve



Note: All the above parameters are measured in the laboratory environment with isobutylene. For reference only.