



Portable gas detector with DualSense™ Technology

Dualsense™ technology significantly increases worker safety, regardless of bump test frequency.

By wearing the Tango™ TX1 Portable gas detector, your workers will be the safest single gas monitor users in the world. A 2-year runtime and patent pending DualSense™ Technology increases worker safety, regardless of bump test frequency, while reducing overall costs.

- **Significantly increases worker safety** - DualSense Technology ensures that regardless of your current bump test policy, you will be significantly safer with the Tango than with any other single gas instrument on the market today. *
- **Longer battery life** - Operates continuously in an "always-on" mode for two years. After the battery can no longer support instrument life, it can be replaced for another two years of continuous operation.

- **Louder instrument alarm** - Alarms at 100dB at 10 centimeters making it twice the volume of Industrial Scientific's GasBadge units and louder than any single gas instrument on the market. Alarm volume can be increased by about 10dB for higher-noise environments with the addition of the optional AlarmAmp™

The Tango incorporates revolutionary patent pending DualSense™ Technology, which was developed to address one of the biggest challenges facing single gas instrument users - bump testing instruments to ensure they are properly detecting gas and alarming. DualSense Technology includes two of the same type sensor for detection of a single gas. The two sensor readings are processed through a proprietary algorithm and displayed as a single reading to the user.



KEY FEATURES

- DualSense® Technology increases worker safety by using two sensors to detect the same gas
- Guaranteed for Life™ with replaceable sensors and batteries that extends the life of the instrument
- Optional AlarmAmp™ increases audible alarms to 110dB



TANGO TX-1

GASES DETECTED

Ammonia (NH ₃)
Carbon Monoxide (CO)
Carbon Monoxide (CO/H ₂ low)
Hydrogen Cyanide (HCN)
Hydrogen Sulfide (H ₂ S)
Nitrogen Dioxide (NO ₂)
Sulfur Dioxide (SO ₂)

SPECIFICATIONS

Specifications subject to change without notice

Dimensions	99 x 51 x 35 mm
Weight	126 g
Display	Segment LCD
Keypad	Two buttons
Alarms	100 dB audible at 10 cm, 3 strobe LEDs (2 red, 1 blue), vibration
Optional Alarm Amp	110 dB
Battery	3.6V primary lithium-thionyl chloride, replaceable, non-rechargeable, up to 2-year runtime
Data logging	3 months at 10-second intervals
Event logging	60 alarm events, 30 error events, 250 calibration and bump test records
Operating temperature	-40°C to +50°C
Humidity	15 to 95% RH non-condensing
IP rating	IP66 and IP67
Sensor technology	Electrochemical
Warranty	Guaranteed for Life (instrument). CO and H ₂ S sensors: 3 years. All others: 2 years
Certifications	ATEX Ex ia I Ma / Ex ia IIC T4 Ga, IECEx Ex ia I Ma / Ex ia IIC T4 Ga, CSA Class I Groups ABCD T4, UL Class I Groups ABCD T4 / Class II Groups EFG / Class I Zone 0 AEx ia IIC T4, INMETRO, China Ex, CMA, KC, EAC



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