



## Specifications Sheet



- Protect workers, reduce false alarms, and spend less time managing your gas detector fleet with the Tango TX2.
- The Tango TX2 is the most accurate two-gas monitor featuring individual sensors that increase alarm accuracy.
- A two-year runtime and replaceable battery simplify gas detection management by eliminating the need for charging infrastructure.

### INSTRUMENT CONFIGURATIONS

PART NUMBER	DESCRIPTION
TX2-12011	Tango TX2, CO, H <sub>2</sub> S, English
TX2-14011	Tango TX2, CO, NO <sub>2</sub> , English
TX2-15011	Tango TX2, CO, SO <sub>2</sub> , English
TX2-16011	Tango TX2, CO, CO Low, English
TX2-56011	Tango TX2, SO <sub>2</sub> , NH <sub>3</sub> , English
TX2-1B011	Tango TX2, CO, HCN, English
TX2-24011	Tango TX2, H <sub>2</sub> S, NO <sub>2</sub> , English
TX2-25011	Tango TX2, H <sub>2</sub> S, SO <sub>2</sub> , English
TX2-2G011	Tango TX2, H <sub>2</sub> S, CO Low, English
TX2-45011	Tango TX2, NO <sub>2</sub> , SO <sub>2</sub> , English
TX2-4G011	Tango TX2, NO <sub>2</sub> , CO Low, English
TX2-5G011	Tango TX2, SO <sub>2</sub> , CO Low, English
TX2-6B011	Tango TX2, NH <sub>3</sub> , HCN, English

### ACCESSORIES

18109330 -ABC -ABC	DSX™ Docking Station for Tango® TX1 A – DSX Mode: 0 = DSX Standalone, 1 = DSXi Cloud-connected, 2 = DSX-L Local Server B – Number of Gas Inlet Ports: 3 = 3 Ports, 6 = 6 Ports C – Power Cord Type: 1 = North America, 2 = Europe, 3 = Australia, 4 = UK
17154367	Replacement battery
18109171	Soft nylon case, Black
18109239	Soft nylon case, Safety Orange
18109218	Dust barrier kit, 5 pack
18109230	Water barrier kit, 5 pack
18109238	CalCup and tubing kit
17154484	Suspender clip
17154915-0	AlarmAmp, Black
17154915-1	AlarmAmp, Safety Orange

\* These specifications are based on performance averages and may vary by instrument.  
 \*\* Operating temperatures above 50 °C (122 °F) may cause reduced instrument accuracy.  
 Operating temperatures below -20 °C (-4 °F) may cause reduced instrument accuracy and affect display and alarm performance.

Patent No. 9,000,910 – DualSense® Technology | Patent No. 9,064,386 – AlarmAmp™

### SPECIFICATIONS\*

#### INSTRUMENT WARRANTY

Guaranteed for Life™. Warranted for as long as the instrument is supported by Industrial Scientific Corporation (excludes sensors, batteries, and filters). CO and H<sub>2</sub>S sensors are warranted for three years. All other sensors are warranted for two years.

#### DISPLAY

Segment liquid crystal display (LCD)

#### KEYPAD

Two buttons

#### CASE MATERIALS

Case top: Polycarbonate with a protective rubber overmold  
 Case bottom: Conductive polycarbonate

#### ALARMS

Three strobe-emitting visual alarm LEDs (two red; one blue)  
 100 decibel (dB) audible alarm at a distance of 10 cm (3.94 in); Vibration alarm

#### DIMENSIONS

99 x 51 x 35 mm (3.9 x 2.0 x 1.4 in)

#### WEIGHT

126.0 g (4.4 oz)

#### TEMPERATURE RANGE

-40 °C to 50 °C (-40 °F to 122 °F) \*\*

#### HUMIDITY RANGE

15% to 95% Non-condensing (continuous)

#### SENSORS

CO, CO/H<sub>2</sub>, HCN, H<sub>2</sub>S, NH<sub>3</sub>, NO<sub>2</sub>, SO<sub>2</sub> – Electrochemical sensor technology

#### SENSOR MEASURING RANGES

Ammonia (NH <sub>3</sub> ):	0 to 500 ppm in 1 ppm increments
Carbon Monoxide (CO):	0 to 1,000 ppm in 1 ppm increments
Carbon Monoxide (CO/H <sub>2</sub> low):	0 to 1,000 ppm in 1 ppm increments
Hydrogen Cyanide (HCN):	0 to 30 ppm in 1 ppm increments
Hydrogen Sulfide (H <sub>2</sub> S):	0 to 500.0 ppm in 0.1 ppm increments
Nitrogen Dioxide (NO <sub>2</sub> ):	0 to 150.0 ppm in 0.1 ppm increments
Sulfur Dioxide (SO <sub>2</sub> ):	0 to 150.0 ppm in 0.1 ppm increments

#### BATTERY

3.6 V Primary lithium-thionyl chloride (Li-SOCI<sub>2</sub>); 1.5AH, 2/3AA; replaceable; non rechargeable; always on; up to 2-year run time depending on operating conditions

#### DATA LOGGING

3 months at 10-second intervals

#### EVENT LOGGING

60 alarm events

#### CERTIFICATIONS

##### DIRECTIVE OR CB AREA CLASSIFICATION STANDARDS

ATEX1:	Ex ia I Ma;
Ex ia IIC T4 Ga;	Equipment Group and Category: I M1 and II 1G,
EN 60079-0:	2012
EN 60079-11:	2012
EN 50303:	2000

IECEX <sup>3</sup>	Ex ia I Ma, Ex ia IIC T4 Ga
IEC 60079-0:	2011
IEC 60079-11:	2011

UL (C-US) <sup>4</sup> :	Class I, Groups A, B, C, and D; Class II, Groups E, F, and G; T4; Exia Class I, Zone 0, AEx ia IIC T4
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UL 913 8th Ed. UL 60079-0 6th Ed. UL 60079-11 6th Ed. CSA C22.2 No. 157