



- 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 110 dB
- Acknowledgeable gas alerts

**INSTRUMENT CONFIGURATIONS**

PART NUMBER	DESCRIPTION
TX1-1	Tango TX1, CO
TX1-2	Tango TX1, H <sub>2</sub> S
TX1-4	Tango TX1, NO <sub>2</sub>
TX1-5	Tango TX1, SO <sub>2</sub>
TX1-G	Tango TX1, CO/H <sub>2</sub> low

**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
17120908	Belt clip
17154915-0	AlarmAmp, Black
17154915-1	AlarmAmp, Safety Orange
17154916	Black nameplate
17154917	Green nameplate
17154918	Yellow nameplate
17154919	Blue nameplate
17154920	White nameplate

\* 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>, H<sub>2</sub>S, NO<sub>2</sub>, SO<sub>2</sub> – Electrochemical sensor technology

**SENSOR MEASURING RANGES**

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 Sulfide (H<sub>2</sub>S): 0.0 to 500.0 ppm in 0.1 ppm increments  
 Nitrogen Dioxide (NO<sub>2</sub>): 0.0 to 150.0 ppm in 0.1 ppm increments  
 Sulfur Dioxide (SO<sub>2</sub>): 0.0 to 150.0 ppm in 0.1 ppm increments

**BATTERY**

3.6 V Primary lithium-thionyl chloride (Li-SOCl<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**

INGRESS PROTECTION IP66/67

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

ATEX: Ex ia I Ma; Ex ia IIC T4 Ga; Equipment Group/Category: I M1/II 1G  
 CSA: CI I, Gr A-D, T4; Ex ia IIC T4  
 IECEX: Ex ia I Ma; Ex ia IIC T4 Ga  
 INMETRO: Ex ia I Ma; Ex ia IIC T4 Ga  
 UL (C-US): CI I, Gr A-D, T4; CI II, Gr E-G; CI I, Zone 0, AEx ia IIC T4

**-20 °C to 50 °C (-4 °F to 122 °F)**

China Ex: Ex ia IIC T4 Ga  
 CMAA: Ex ia I Ma; H<sub>2</sub>S, CO  
 EAC: PO Ex ia I X; 0 Ex iX IIC T4 X  
 KC: Ex ia IIC T4

**AUTHORIZED DISTRIBUTOR:**  
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