



- 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 ₂ S |
| TX1-4 | Tango TX1, NO ₂ |
| TX1-5 | Tango TX1, SO ₂ |
| TX1-G | Tango TX1, CO/H ₂ 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 H₂S 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/H₂, H₂S, NO₂, SO₂ – Electrochemical sensor technology

SENSOR MEASURING RANGES

Carbon Monoxide (CO): 0 to 1,000 ppm in 1 ppm increments
Carbon Monoxide (CO/H₂ low): 0 to 1,000 ppm in 1 ppm increments
Hydrogen Sulfide (H₂S): 0.0 to 500.0 ppm in 0.1 ppm increments
Nitrogen Dioxide (NO₂): 0.0 to 150.0 ppm in 0.1 ppm increments
Sulfur Dioxide (SO₂): 0.0 to 150.0 ppm in 0.1 ppm increments

BATTERY

3.6 V Primary lithium-thionyl chloride (Li-SOCl₂); 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; H₂S, CO

EAC: PO Ex ia I X; 0 Ex iX IIC T4 X

KC: Ex ia IIC T4