




- 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
17154484	Suspender 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

CMA: Ex ia I Ma; H₂S, CO

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

KC: Ex ia IIC T4

Whilst every effort has been made to ensure the accuracy of this specification, we cannot accept responsibility for damage, injury, loss or expense from errors or omissions. In the interest of technical improvement, this specification may be altered without notice.

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