



SPECIFICATIONS

INSTRUMENT WARRANTY:

Three year warranty which does not include battery, sensors and filters.*
CO and H₂S sensors are warranted for 3 years from the initial purchase date.
All other sensors are warranted for 2 years from the initial purchase date.

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"); Vibration alarm

DIMENSIONS:

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

WEIGHT:

126.0 g (4.4 oz.)

TEMPERATURE RANGE:

-40°C to +50°C (-40°F to +122°F)†

HUMIDITY RANGE:

15%-95% Non-condensing (continuous)

SENSORS:

CO, H₂S, NO₂, SO₂ - Electrochemical sensor technology

SENSOR MEASURING RANGES:

Carbon Monoxide (CO): 0 to 1,000 ppm in 1 ppm increments
Hydrogen Sulfide (H₂S): 0.0 to 200.0 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; 3 year run time depending on operating conditions

DATALOGGING:

3 months at 10-second intervals

EVENT LOGGING:

60 alarm events

CERTIFICATIONS

INGRESS PROTECTION:

IP66; IP67

-40°C to +50°C (-40°F to +122°F)

ATEX Ex ia I Ma
Ex ia IIC T4 Ga
Equipment Group and Category: I M1 and II 1G
IECEX Ex ia I Ma
Ex ia IIC T4 Ga
UL (C-US) 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

-20°C to +50°C (-4°F to +122°F)

CSA Ex ia IIC; Class I, Groups A B C D; T4
China Ex Ex ia IIC T4 Ga
INMETRO Ex ia IIC T4 Ga

PENDING:

MSHA Permissible Gas Monitor
KOSHA Ex ia IIC T4 Ga
China MA Safety Certificate of Approval for Mining Products

These specifications are based on performance averages and may vary by instrument.

* The Tango is warranted to be free from defects in material and workmanship under normal and proper use and service for 3 years from the initial purchase date.

† 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.

ORDERING INFORMATION

PART NO.	DESCRIPTION
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INSTRUMENT CONFIGURATIONS

TX1-1	Tango TX1, CO
TX1-2	Tango TX1, H ₂ S
TX1-4	Tango TX1, NO ₂
TX1-5	Tango TX1, SO ₂

ACCESSORIES

18109201	iNet DS docking station for Tango*
18109249-ABC	DS2 Docking Station for Tango TX1 Ordering Information B = number of iGas® Readers: 0 – none 1 = 1 iGas Reader; 2 = 2 iGas Readers; 3 = 3 iGas Readers C = Power cord Option (0 – US, 1 – UK, 2 – EU, 3 – AUS, 4 – ITA, 5 – DEN, 6 – SWZ)
17154367	Replacement battery
18109171	Soft nylon case, Black
18109239	Soft nylon case, 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

*Access to data from the iNet DS docking station requires a subscription to iNet or iNet InSite.

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