



### SPECIFICATIONS

#### INSTRUMENT WARRANTY:

Three year warranty which does not include battery, sensors and filters.\*  
CO and H<sub>2</sub>S 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, 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 200.0 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; 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  
CSA Ex ia IIC; Class I, Groups A B C D; T4  
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  
INMETRO Ex ia IIC T4 Ga; Ex ia I Ma

#### -20°C to +50°C (-4°F to +122°F)

China Ex Ex ia IIC T4 Ga  
KOSHA Ex ia IIC T4

#### PENDING:

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
<b>INSTRUMENT CONFIGURATIONS</b>	
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
<b>ACCESSORIES</b>	
18109201	iNet DS docking station for Tango*
18109249-ABC	DS2 Docking Station for Tango TX1 <b>Ordering Information</b> 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.

## INDUSTRIAL SCIENTIFIC

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Fax: +33-1-57-32-92-67  
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Equipment Group and Category: I M1 and II 1G  
CSA Ex ia IIC; Class I, Groups A B C D; T4  
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  
INMETRO Ex ia IIC T4 Ga; Ex ia I Ma

#### -20°C to +50°C (-4°F to +122°F)

China Ex Ex ia IIC T4 Ga  
KOSHA Ex ia IIC T4

#### PENDING:

MSHA Permissible Gas Monitor  
China MA Safety Certificate of Approval for Mining Products

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