

## ▶ TANGO TX2

Compact 2-gas detector with dedicated cells



### Technical data

#### Main gases detected :

- Available cell types: CO, CO/H<sub>2</sub>, H<sub>2</sub>S, NO<sub>2</sub>, SO<sub>2</sub>, NH<sub>3</sub>, HCN
- Detection technology: Electrochemical

#### Power supply :

- Batterie lithium Li-SOCl<sub>2</sub> 3,6 V (1,5 Ah - Format 2/3 AAA)
- Replaceable, non-rechargeable battery
- Battery life up to 2 years (depending on conditions of use)

#### Display :

- LCD segment display
- Easy-to-read display of concentrations and operating states

#### Keyboard :

- 2 control buttons

#### Alarm levels :

- Audible alarms (100 dB at 10 cm), visual (3 strobe LEDs)
- Built-in vibrator
- Amplifiable alarm with AlarmAmp™ module (optional)
- Recording of 60 events

#### Functional inspection :

- Built-in self-test on switch-on
- Automatic data logging (up to 3 months at 10-second intervals)

#### Voyants lumineux :

- 3 ultra-bright LEDs (2 red + 1 blue)

#### Guarantee :

- Lifetime warranty (as long as supported by the manufacturer)
- Service life of CO and H<sub>2</sub>S cells: 3 years
- Other sensors: 2 years

#### Certifications and compliance :

- ATEX (Ex ia I Ma ; Ex ia IIC T4 Ga)
- IECEx
- UL (C-US)
- CSA (Canada)

### Product description

The **Tango TX2** is a portable detector designed for the simultaneous detection of two gases, with enhanced accuracy thanks to independent dedicated cells. Compact and ultra-resistant, it is an effective solution for protecting workers in high-risk industrial environments.

Versatile, it can also be used in single-gas mode, offering flexibility of use according to the specific needs of the site or intervention. Thanks to its replaceable battery, offering up to 2 years of autonomy and its design with no recharging infrastructure **the TX2** minimizes maintenance needs while ensuring continuous field availability.

#### ▶ Reliable, precise detection

The **Tango TX2** embeds dedicated electrochemical cells for each gas detected, enabling independent measurement of critical gases such as CO, H<sub>2</sub>S, NH<sub>3</sub> or SO<sub>2</sub>.

This architecture significantly reduces false alarms and improves operational reliability.

#### ▶ Enhanced visual and acoustic security

Equipped with three strobe LEDs (two red, one blue), a built-in vibrator and a powerful 100 dB audible alarm at 10 cm, **the Tango TX2** provides clear, immediate warning even in noisy environments.

#### ▶ Data recording and traceability

**The Tango TX2** can record data continuously for 3 months (at 10-second intervals), and stores 60 alarm events, facilitating traceability and post-intervention reporting.

#### ▶ Field use

The **Tango TX2 detector** is particularly well suited to high-risk industrial environments. It can be used effectively in confined areas, such as sewers, tanks or any restricted space where natural ventilation is insufficient. It is also highly relevant for sensitive industrial sites, such as refineries and chemical plants, requiring constant monitoring of toxic gases. Finally, moreover, **the Tango TX2** is a reliable and robust solution for maintenance work and temporary interventions, thanks to its extended autonomy and ease of use.

## Applications

- Gas detection in confined spaces (tanks, sewers)
- Work in ATEX zones (refineries, platforms)
- Industrial maintenance and periodic inspections
- Temporary work on sensitive industrial sites

## Physical characteristics

- Materials: Polycarbonate, moulded rubber
- Resistance to extreme conditions (dust, humidity)
- Dimensions: 99 x 51 x 35 mm
- Weight: 126 g

## Example of device configuration

Réf. Produit	Plage de mesure
TX2-12012	Tango TX2, CO, H2S
TX2-14012	Tango TX2, CO, NO2
TX2-15012	Tango TX2, CO, SO2
TX2-1G012	Tango TX2, CO, CO faible
TX2-56012	Tango TX2, SO2, NH3
TX2-1B012	Tango TX2, CO, HCN
TX2-24012	Tango TX2, H2S, NO2
TX2-25012	Tango TX2, H2S, SO2
TX2-2G012	Tango TX2, H2S, CO faible
TX2-45012	Tango TX2, NO2, SO2
TX2-4G012	Tango TX2, NO <sub>2</sub> , CO faible
TX2-5G012	Tango TX2, SO2, CO faible
TX2-6B012	Tango TX2, NH3, HCN
TX2-60022	Tango TX2, NH3
TX2-B0022	Tango TX2, HCN
TX2-40022	Tango TX2, NO2
Other configurations	On request

## Accessories

Réf. Produit	Description
18109330 -ABC	DSX™ Docking Station for Tango® TX1 A – DSX Mode: 0 = DSX Standalone, 1 = DSXi Cloud-connected, 2 = DSX-L Local ServerServer 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

## Detailed list of detected gases

Gas	Type of sensor	Measurement range	Résolution
Ammonia (NH3)	Electrochemical cell sensor	0 to 500 ppm	1 ppm
Carbon Monoxide (CO):	Electrochemical cell sensor	0 to 1000 ppm	1 ppm
Carbon Monoxide (CO/H2 LOW)	Electrochemical cell sensor	0 to 1000 ppm	1 ppm
Hydrogen Cyanide (HCN):	Electrochemical cell sensor	0 to 30 ppm	0,1 ppm
Hydrogen Sulfide (H2S)	Electrochemical cell sensor	0 to 500 ppm	0,1 ppm
Nitrogen Dioxide (NO2)	Electrochemical cell sensor	0 to 150 ppm	0,1 ppm
Sulfur Dioxide (SO2)	Electrochemical cell sensor	0 to 150 ppm	0,1 ppm