

▶ TANGO® TX2

Compact 2 gas detector with dedicated sensors



Technical Features

Detected Gases (Main):

- Available sensor types: CO, CO/H₂, H₂S, NO₂, SO₂, NH₃, HCN
- Detection technology: Electrochemical

Power Supply:

- 3.6V Li-SOCl₂ lithium battery (2/3 AAA – 1.5 Ah)
- Replaceable, non-rechargeable battery
- Up to 2 years autonomy (depending on conditions)

Display:

- Segment LCD screen
- Simple and clear display of gas concentrations and status

Clavier :

- 2 control buttons

Alarm Levels:

- Audible alarms (100 dB at 10 cm)
- Visual alarms (3 strobe LEDs)
- Vibration alert
- Amplifiable alarm with optional AlarmAmp™ module
- Up to 60 event log memory

Functionality Check:

- Built-in auto-test at startup
- Automatic data logging (up to 3 months every 10s)

LED Indicators:

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

Warranty :

- Lifetime warranty (as long as serviced by manufacturer)
- CO & H₂S sensors: 3 years
- Other sensors: 2 years

Certifications & 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 with 2-year autonomy and its design with no recharging infrastructure, the **TX2** minimises maintenance requirements while guaranteeing constant availability in the field.

▶ Reliable and Accurate Detection

The **Tango TX2** has dedicated electrochemical cells for each gas detected, enabling independent and accurate measurement of critical gases such as CO, H₂S, NH₃ or SO₂. This architecture significantly reduces false alarms and improves operational reliability.

▶ Enhanced Audible and Visual Safety

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

▶ Data Logging and Traceability

The **Tango TX2** can record data continuously for up to 3 months (at 10-second intervals), and can store 60 alarm events, making it easy to trace and report after an intervention.

▶ Field Applications

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 inadequate. It is also highly suitable for sensitive industrial sites, such as refineries and chemical plants, where the presence of toxic gases requires constant monitoring. Finally, the **Tango TX2** is a reliable and robust solution for maintenance work and temporary interventions, thanks to its extended autonomy and ease of use.



Field Application

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

Physical Specifications

- Material: Polycarbonate with overmolded rubber
- Resistance: Dust and 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, H ₂ S
TX2-14012	Tango TX2, CO, NO ₂
TX2-15012	Tango TX2, CO, SO ₂
TX2-1G012	Tango TX2, CO, CO (low)
TX2-56012	Tango TX2, SO ₂ , NH ₃
TX2-1B012	Tango TX2, CO, HCN
TX2-24012	Tango TX2, H ₂ S, H ₂ S, NO ₂
TX2-25012	Tango TX2, H ₂ S, H ₂ S, SO ₂
TX2-2G012	Tango TX2, H ₂ S, H ₂ S, CO French
TX2-45012	Tango TX2, NO ₂ , SO ₂
TX2-4G012	Tango TX2, NO ₂ , CO (low)
TX2-5G012	Tango TX2, NH ₃ , HCN
TX2-60022	Tango TX2, NH ₃
TX2-B0022	Tango TX2, NCH
TX2-40022	Tango TX2, NO ₂

Accessories

Réf. Produit	description
18109330 -ABC	DSX™ Docking Station for Tango® TX1 A – DSX Modé: 0 = DSX Standalone, 1 = DSXi Cloud-connected, 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	Sensor type	Measurement range	Resolution
Ammonia (NH ₃)	Electrochemical	0 à 500 ppm	1 ppm
Carbon Monoxide (CO)	Electrochemical	0 à 1000 ppm	1 ppm
Carbon Monoxide (CO/H ₂) low	Electrochemical	0 à 1000 ppm	1 ppm
Hydrogen Cyanide (HCN)	Electrochemical	0 à 30 ppm	0,1 ppm
Hydrogen Sulfide (H ₂ S)	Electrochemical	0 à 500 ppm	0,1 ppm
Nitrogen Dioxide (NO ₂)	Electrochemical	0 à 150 ppm	0,1 ppm
Sulfur Dioxide (SO ₂)	Electrochemical	0 à 150 ppm	0,1 ppm