

Tango TX1 Hydrogen Sulfide Meter



Tango TX1

Overview

Diffusion type monitor, only senses the air immediately surrounding the instrument

Designed to be worn on either the lapel or hard hat (10" radius around nose and mouth)

Simple to use (2 Buttons)

On/Off

Scroll

(allows viewing of different measured readings)



Enter

(selects the screen for bump test and calibration)

Tango TX1 Parts



Visual/vibration alarms

Flashes red-hazardous atmosphere detected
(single flash above PEL/double flash twice PEL)

Flashes blue- needs service or above PEL

Dual H₂S sensors

Can still operate if one fails

Takes measurement every 2 seconds

Audible alarm

100 dB at 4.00 inches

Visual screen

✓ = no faults









⚠ = one sensor at fault (still operational)

! = both sensors at fault (not operational)

H₂S gas concentration



Tango TX1 Hazardous Atmosphere Symbols

-  = highest level encountered
-  ▲ = high level gas alarm > PEL (10 ppm)
-  ▼ = low level gas alarm > 1/2 PEL (5 ppm)
-  STEL = gas level > STEL (15 ppm)
-  TWA = gas level > 8 hr TWA
-  ! Low battery (96 hours remaining)
-  B Bump test
-  C Calibration

Using the Tango TX1 On/Off

Turn on: Press and hold on/off
Button for 3 seconds

Turn off: Hold on/off button for
full 5 second countdown



Using the Tango TX1

Peak, TWA, STEL

Peak Gas Concentration

From the gas concentration screen press the on/off button 4 times until the peak reading screen appears.

To clear press "enter"

TWA Gas Concentration

From the peak gas concentration screen press the on/off button once until the TWA reading screen appears. To clear press "enter"

STEL Gas Concentration

From the TWA gas concentration screen press the on/off button once until the STEL reading screen appears. To clear press "enter"



Using the Tango TX1

Bump Test

Manufacturer recommends:

Bump test: As needed/before each use

To Bump Test:

Attach calibration cap, cal gas, and tubing to Tango TX1
Press on/off button until “bump test screen appears”

Press enter to start bump test and start gas flow
Bump test only takes a few seconds and is
Finished when “ P P “ appears

(if “F F” appears on screen after bump, instrument
cannot be used. Notify health and safety)



ensure H2S gas concentration is 25 ppm and not expired

Using the Tango TX1 Calibration

Manufacturer recommends:

Calibrate: Monthly

To Calibrate:

Press on/off button until “initiate zero screen appears”
Then press “enter”

Let instrument zero and wait until “P P” appears

Attach calibration cap, tubing, and cal gas to Tango TX1
Then press on/off button followed by enter button to initiate
calibration.

Start calibration gas flow and wait for “P P” to appear
(if “F F” appears on screen after calibration, instrument
cannot be used. Notify health and safety)

ensure H₂S gas concentration is 25 ppm and not expired

