

## TA8408A/B Gas Leak Detector Instruction manual



Thank you very much for your patronage and choosing our products. Before you use this product please read this manual carefully as it will familiarize you with the correct operating procedure of our TASI product.

### Product description

Hand-held combustible gas leak detector can be used for combustible gas leak detection in pipelines, equipment, regulators, etc.

### SAFETY

⚠ Warning: Please follow the manufacturer's test procedures. Do not place the sensor cover at the end of gooseneck at or near the heat source.

#### ALWAYS

- Turn the meter on in a "clean air" environment away from the test location.
- Inspect the sensor cage to ensure it is securely attached.

#### NEVER

- Place the meter or sensor cage in or on a hot item.

## TA8408A

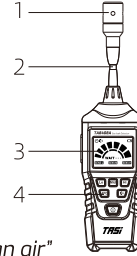
#### Push Buttons

- ⏻ Power button
- Hi High sensitivity alarm

- Mid Middle sensitivity alarm
- 🔇 Mute button
- Lo Low sensitivity alarm
- ⏻ Auto power off

### Instrument Layout

1. Sensor cage containing the sensor
2. Gooseneck
3. Display
4. Buttons



#### Measurement Procedure

##### ⚠ WARNING!

Turn on the meter in a "clean air" environment away from the test area. Failure to do so may cause the meter to display error.

- Press the "⏻" key to turn on power. The meter will start warn up for about 30 seconds and display "WAIT... ..".
- Beeping sound, warn up is over, and normal working state is entered.
- Entering the detection area to start detection.
- Locate the leak source and move along the pipeline (or other detection object) to be detected.
- If the leakage concentration is higher than the alarm value, the alarm sounds (when the buzzer is on).

### Additional Features

#### Alarm selection:

Press the Hi, Mid, Lo button to select high, medium and low sensitivity alarms.

#### Auto power off:

Without any operation and concentration signal detection, the meter will Auto power off after about 10 minutes to save battery energy.

Press the ⏻ key to turn on or off the Auto power off function. When the Auto power off function is turned off, the meter will not display "🔇" symbol. At this time, the user needs to manually power off.

#### Mute:

Press the 🔇 key to turn on or off the audible alarm.

### Specifications

Leak Detection Sensitivity (methane):  
Approx. 50ppm.

Gases Detected (partial listing):  
Acetone, Acetylene, Alcohol, Ammonia, Benzene, Butane, Ethanol, Ethylene Oxide, Gasoline, Hexane, Hydrogen, Methane, Naphtha, Natural Gas, Paint Thinners, Propane, Solvents, etc.

Alarm Indication: Visual and audible.

Auto Zero: Automatic at start up.

Operating conditions:

0 to 50°C / 20 to 80%RH.

Battery: 3x1.5V AAA Alkaline batteries.

### Maintenance

#### Battery Replacement

Release battery cover with screwdriver. Replace batteries (3 x 1.5V AAA alkaline) and reattach the cover.

#### Cleaning

Use a mild detergent and slightly damp cloth to clean the surfaces of the meter. For factory service please return to seller.

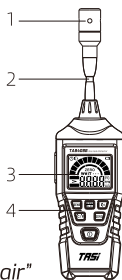
## TA8408B

#### Push Buttons

- ⏻ Turns the meter on and off
- SENS Select high or low sensitivity alarm
- PPM/SEL Concentration measurement or selection of concentration units
- 🔇 Audible alarms turn on or off
- °C/°F Temperature measurement or selection of temperature units
- ZERO Zero Open or Close

## Instrument Layout

1. Sensor cage containing the sensor
2. Gooseneck
3. Display
4. Keypad



## Measurement Procedure

### ⚠ WARNING!

Turn on the meter in a "clean air" environment away from the test area. Failure to do so may cause the meter to display error.

- Turn the meter on by pressing the **ON** key. The meter will begin a 30 second countdown. During this countdown the sensor is being self-tested and set to zero.
- After the countdown is complete the meter will display "00.00" and enter to normal operation.
- Enter the area and begin testing. As a leak is found the concentration will be displayed on the LCD in %LEL or PPM (Press **PPM/LEL** key to switch).
- To locate the source of a leak, move along the pipe, fitting, etc. being tested.
- If the leak concentration is above the alarm level the alarm will sound.

## Additional Features

### Alarm Level Adjustment

Adjusting the alert sensitivity level can be set by the **SENS** key.

**SENS-H:** Alarm from 1.00%LEL (500PPM).  
**SENS-L:** Alarm from 10.00%LEL (5000PPM).

### Auto Power Off

No operation, no detection concentration will automatically shut down after 10 minutes.

The auto power off feature can be enabled or disabled as required:

Hold down the **SENS** key and then turn on the meter, will cancel the automatic shutdown.

Reboot, will resume automatic shutdown.

### Unit select

Press **PPM/LEL** key to switch PPM or %LEL.

### Mute

Press **MUTE** key to turn on or off audible alarm

### Temperature display

Press the **TEMP** key to display the.

temperature, and then press to switch the temperature unit.

Press **PPM/LEL** key to return concentration measurement.

### ZERO

Press **ZERO** key to zero.

## TECHNICAL DATA

### Features and Benefits

**Auto Zero:** Automatically sets the sensor to zero at start up.

**%LEL:** Displays the percentage lower explosive limit (LEL).

**PPM:** Displays the amount of leakage in parts per million (PPM).

**Auto Off:** When enabled, the meter turns off after approximately .

10 minutes to saves battery life.

Can be disabled.

## Product Applications

Perform the following tests and measurements with the Combustible gas leak detector:

- Locate combustible gas leaks in joints and fittings.
- Determine Lower Explosive Limit percentage.
- Determine the combustible gas leak level in ppm (parts per million).

### Specifications

- Leak Detection Sensitivity (methane): Approx.50ppm.
- Gases Detected (partial listing):

Acetone, Acetylene, Alcohol, Ammonia, Benzene, Butane, Ethanol, Ethylene Oxide, Gasoline, Hexane, Hydrogen, Methane, Naphtha, Natural Gas, Paint Thinners, Propane, Solvents, etc.

- Display Type: Reverse Display.
- Ranges: %LEL: 0 to 20.00%; Real PPM: 0 to 9999ppm.
- Accuracy: +/-10%F.S. (Methane).
- Alarm Indication: Visual and audible .
- Auto Zero: Automatic at start up.
- Operating conditions: 0 to 50°C / 20 to 80%RH.
- Battery: 3x1.5V AAA Alkaline batteries.

## Maintenance

### Battery Replacement

Release battery cover with screwdriver. Replace batteries (3 x 1.5V AAA alkaline) and reattach the cover.

### Sensor Replacement

Turn the meter off. Turn the sensor cage counter clockwise and remove it. Unplug the old sensor and discard. Replace sensor and sensor cap.

## Cleaning

Use a mild detergent and slightly damp cloth to clean the surfaces of the meter. For factory service please return to seller.

**TASI**

Product: Gas Leak Detector  
Model: TAB408A/B  
Manufacture place: **MADE IN CHINA**

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