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Wintact WT8811

Wintact 4 in 1 Gas Leak Detector WT8811 User Manual

Brand: Wintact | Model: WT8811

1. INTRODUCTION AND OVERVIEW

The Wintact WT8811 is a versatile 4-in-1 gas leak detector designed for monitoring multiple gases to ensure safety in various environments. This device provides precise measurements for combustible gases, oxygen, hydrogen sulfide, and carbon monoxide, making it an essential tool for home, RV, sewer, and basement applications.

Its robust design and comprehensive features offer reliable gas detection and alerting capabilities, contributing to a safer environment for users.





Figure 1: Wintact WT8811 4-in-1 Gas Leak Detector. This image shows the front view of the device, highlighting its display screen and control buttons.

2. SAFETY INFORMATION

Before operating the Wintact WT8811, please read this manual thoroughly to understand its functions and safety precautions. Failure to follow instructions may result in inaccurate readings, device damage, or personal injury.

Important Safety Guidelines:

- Always allow a **20-second warm-up time** before using the detector to ensure accurate readings.
- Do not expose the device to extreme temperatures or humidity beyond its specified operating conditions (-4°F to 122°F, <95%RH).
- Ensure the device is fully charged before critical use to avoid interruptions.
- Perform regular calibration as recommended to maintain accuracy.
- Do not attempt to disassemble or modify the device, as this may void the warranty and pose safety risks.
- Store the device in its hard shell carry case when not in use to protect it from damage.

3. PACKAGE CONTENTS

Verify that all items listed below are present in your package:

- 1x Wintact WT8811 Gas Leak Detector
- 1x Battery Charger
- 1x USB Cable
- 1x User Manual
- 1x Hard Shell Carry Case
- 1x Gas Calibration Cap
- 1x Transparent Gas Tube

What's Included in the Box?



1 1x Composite Gas Detector

2 1x Gas Calibration Cap

3 1x Charger

4 1x Charging Cable

5 1x Instruction Manual

6 1x Transparent Gas Tube

7 1x Carrying Case

Figure 2: Contents of the Wintact WT8811 package. This image displays the gas detector, charger, USB cable, user manual, and hard shell carry case, along with the gas calibration cap and transparent gas tube.

4. PRODUCT FEATURES

- **Fast & Accurate Detection:** Precisely measures 4 gases:
 - Combustible Gases (LEL): 0 to 100%LEL

- Oxygen (O₂): 0 to 30%VOL
- Hydrogen Sulfide (H₂S): 0 to 100PPM
- Carbon Monoxide (CO): 0 to 1000PPM

Resolution is 0.1 (CO resolution: 1). Achieves accurate readings ($\leq \pm 5\%FS$) in less than 30 seconds after a 20-second warm-up.

- **Multiple Alarms:** Features sound, visual (light), and vibration (shock) alarms that activate when gas concentrations exceed preset high/low limits. Audible alarms can be muted.
- **Multi-Functional Display:**
 - 1.17" Color Backlit Display for clear visibility in various lighting conditions.
 - °F/°C unit switch for temperature display.
 - Data hold function.
 - Storage for up to 127,375 data points.
 - Ability to view and delete historical data.
 - Temperature compensation.
 - Zero calibration.
 - Low battery indicator.
 - Auto power off feature.
- **Versatile Use:** Suitable for a wide range of test gases including oxygen, carbon monoxide, hydrogen sulfide, combustion gases (e.g., ethane, toluene, propane, LPG), natural gases (e.g., methane, butane, ethane, LNG), alcohol, ammonia, benzene, ethanol, hexane, and gasoline gas. Ideal for home, RV, sewer, and basement use.
- **Durable & Portable Design:**
 - Rugged stainless steel clip for secure attachment.
 - Non-slip side grips for easy handling.
 - Compact dimensions: 4.9"D x 7.1"W x 15.3"H (approx. 71 x 153 x 49 mm).
 - Lightweight: 0.48 lbs (approx. 218g).
- **Long Battery Life:** Built-in 1800mAh rechargeable Lithium Polymer battery provides over 8 hours of continuous use from a 6-hour charge.

4 in 1 Gas Detector

O₂

CO

H₂S

LEL

1.17" Color Backlit Screen



Long Endurance

≥8 Hour
continuously

Figure 3: Sensor layout of the Wintact WT8811. This image illustrates the placement of the O₂, CO, H₂S, and LEL sensors on the device.

Back Clip



USB Rechargeable



Sound, Light & Shock Alarms



Figure 4: Key features of the Wintact WT8811 including the back clip, USB charging port, and visual representation of sound, light, and shock alarms.

Lightweight and Portable



2.79 x 6.02 x 1.92 in
71 x 153 x 49 mm



0.48lb / 218g

Figure 5: The Wintact WT8811 demonstrating its lightweight and portable design, easily fitting into a pocket.

5. SETUP

5.1 Charging the Device

Before first use, fully charge the device. Connect the provided USB cable to the detector's charging port and the other end to the battery charger, then plug into a power outlet. A full charge takes approximately 6 hours and provides over 8 hours

of continuous operation.



Figure 6: The Wintact WT8811 connected to its USB-Micro charger, illustrating the charging process and battery capacity.

5.2 Initial Power On and Warm-up

To power on the device, long press the power button. The device will initiate a 20-second warm-up sequence. During this time, the sensors stabilize to ensure accurate readings. Do not take measurements until the warm-up is complete.

5.3 Language and Date/Time Settings

Access the settings menu to configure the device language (English is default) and set the correct date and time. This ensures proper data logging and timestamping of measurements.

6. OPERATING INSTRUCTIONS

6.1 Measurement Interface

The WT8811 offers both single and multiterm measurement interfaces. You can switch between these views to display individual gas concentrations or all four gas readings simultaneously.

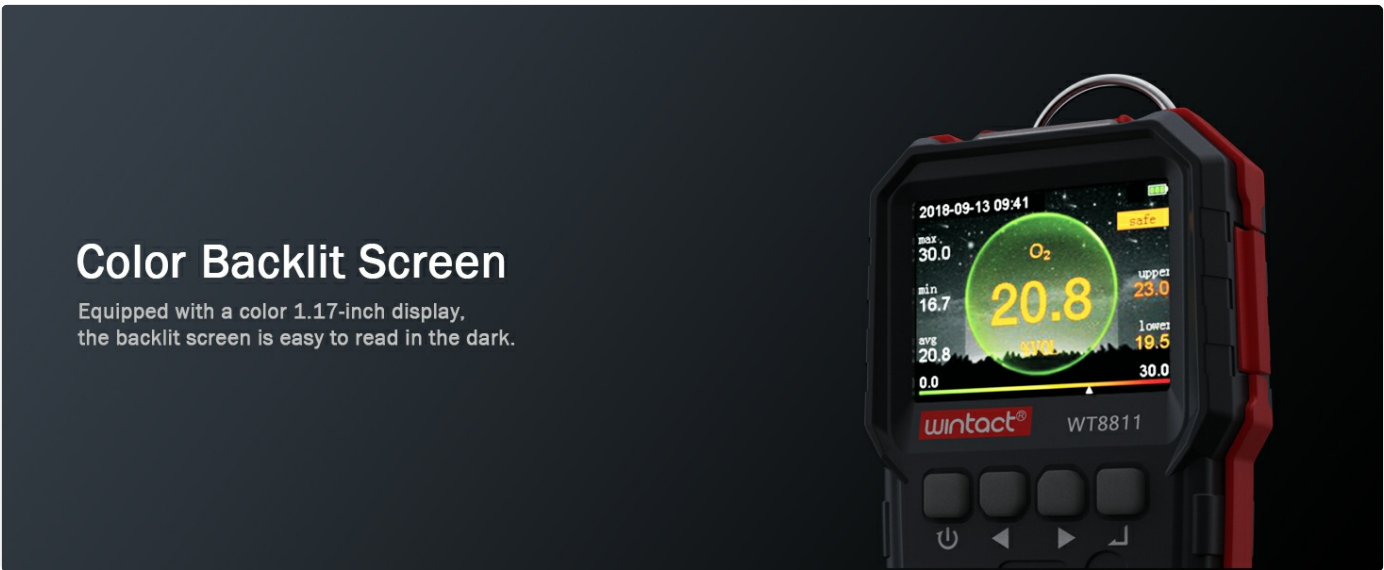


Figure 7: The Wintact WT8811's display showing options to switch between single and multiterm measurement interfaces for gas readings.

6.2 Navigating the Device

Use the directional buttons below the screen to navigate through menus and adjust settings. The central button typically serves as a confirmation or selection key.

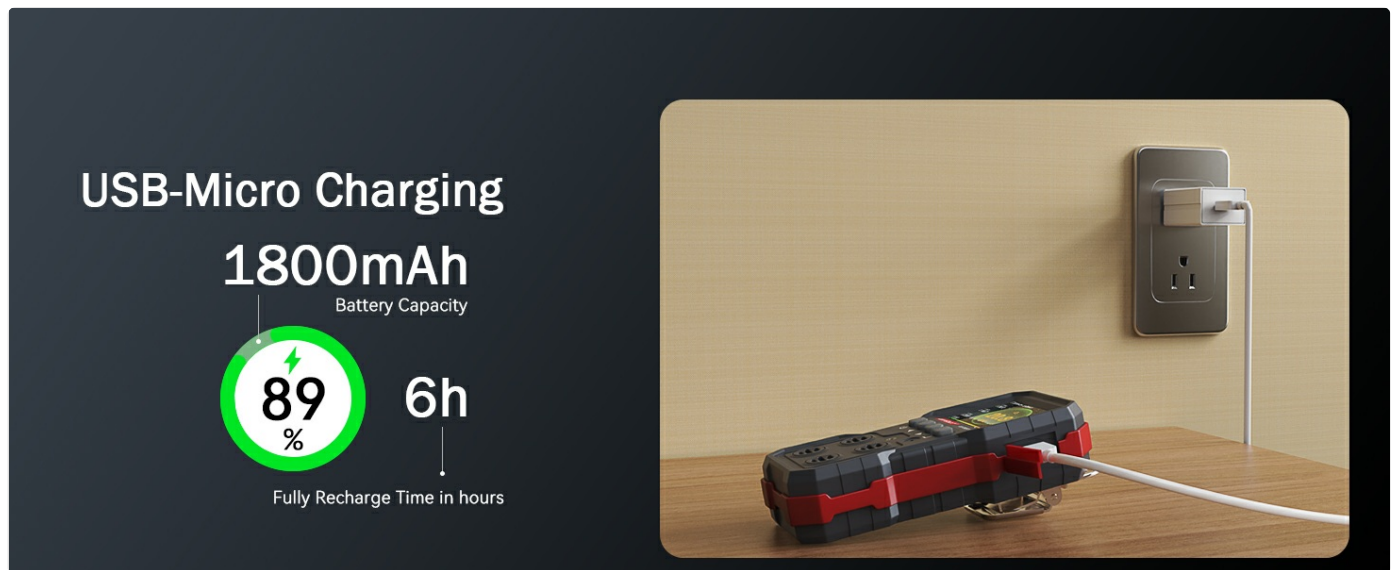


Figure 8: Detailed diagram of the Wintact WT8811 showing the layout of its buttons, LCD display, charging port, and gas sensing holes.

7. CALIBRATION

To ensure the accuracy of your Wintact WT8811, regular calibration is essential. The device supports zero calibration and offers various calibration options for each gas type (O₂, CO, H₂S, LEL).

7.1 Performing Zero Calibration

Access the calibration menu from the main interface. Select the zero calibration option to set the baseline for gas detection in a clean air environment.

7.2 Gas-Specific Calibration

For precise measurements, gas-specific calibration points can be set. Refer to the detailed instructions in the user manual for advanced calibration procedures using the gas calibration cap and transparent gas tube.

Record up to 127,375 Pieces of Data



View

2018-03-13 17:25			
NO.	start record time	total	interval
33	2018 01 27 11:51:44	1019	1
34	2018 01 27 12:11:42	1019	1
35	2018 01 27 12:32:05	1019	1
36	2018 01 27 12:52:16	1019	1
37	2018 01 27 13:12:24	1019	1
38	2018 01 27 13:32:53	1019	1
39	2018 01 27 13:53:05	997	1
40	2018 01 29 09:59:25	151	1
view delete select del			

Delete

2018-03-14 10:54			
NO.	start record time	total	interval
57	2018 03 13 10:27:12	67	1
58	2018 03 13 10:52:18	14	1
59	Are you sure delete?		
60	NO YES		
61			
62	2018 03 13 10:17:00	70	1
63	2018 03 13 16:20:54	21	1
64	2018 03 13 16:22:01	732	1
view delete select del			

Select

2018-03-14 10:58			
NO.	start record time	total	interval
65	2018 03 13 17:05:04	1019	1
66	2018 03 13 17:23:20	511	1
67	select the num to delete		
68			
69	0000 ~ 0000 enter		
70	2018 03 14 09:10:00	1019	1
71	2018 03 14 09:36:16	1019	1
72	2018 03 14 09:54:40	1019	1
view delete select del			

3 Calibration Methods

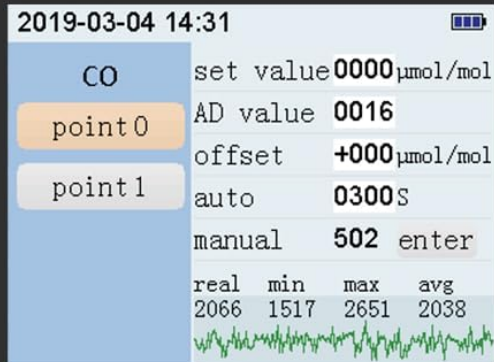
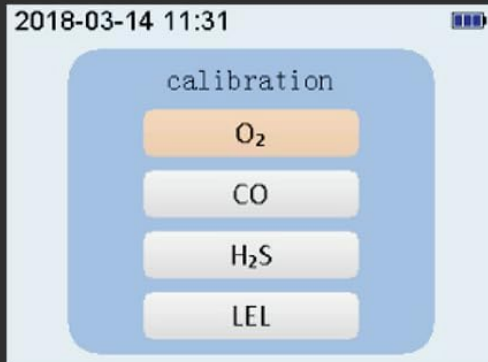


Figure 9: The Wintact WT8811's display showing the calibration menu with options for O₂, CO, H₂S, and LEL, and detailed calibration settings for CO.

Back Clip

The gas detector comes with a back clip that is not only easy to carry at all times, but also easy to hang anywhere for extended periods of ambient gas monitoring.



Figure 10: The Wintact WT8811 connected for calibration, emphasizing the importance of maintaining accuracy.

8. DATA LOGGING AND REVIEW

The WT8811 is capable of logging up to 127,375 data points, allowing for comprehensive monitoring over time. Each set can contain 1019 data points.

8.1 Viewing Historical Data

Navigate to the "View" option in the main menu. You can browse through recorded data sets, which include start record time, total readings, and interval. The device also allows playback of recorded gas data to analyze concentration changes over time.

8.2 Deleting Data

From the "View" menu, you have the option to delete individual data sets or clear all stored data. Confirm deletion when prompted.



Figure 11: The Wintact WT8811's display showing options for looking up, viewing, deleting, and selecting data, along with a graph of recorded gas data over time.

9. ALARMS

The WT8811 features multiple alarm modes to alert you to unsafe gas levels. You can customize the upper and lower thresholds for each gas type.

9.1 Alarm Types

- **Light Alarm:** Visual indicator on the device.
- **Sound Alarm:** Audible alert. Can be muted if desired.
- **Vibration Alarm (Shock):** Tactile alert, useful in noisy environments or when carrying the device.

9.2 Setting Alarm Thresholds

Access the "Alarm" settings from the main menu. Here, you can adjust the upper and lower concentration limits for O2, CO, H2S, and LEL. When gas levels exceed these thresholds, the corresponding alarms will activate.

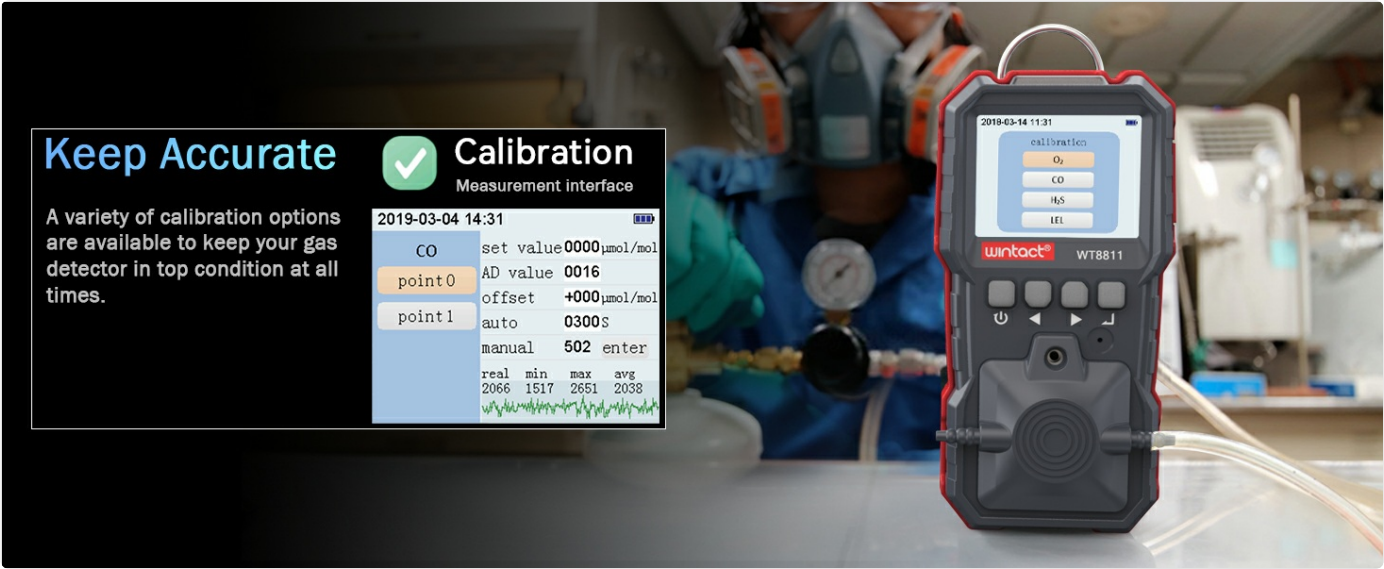


Figure 12: The Wintact WT8811's alarm settings interface, showing options to enable/disable light, sound, and shock alarms, and customize upper and lower thresholds for each gas.

10. MAINTENANCE

Proper maintenance ensures the longevity and accuracy of your Wintact WT8811.

- **Cleaning:** Gently wipe the device with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Battery Care:** Recharge the battery when the low battery indicator appears. Avoid fully depleting the battery frequently to prolong its lifespan. If storing for extended periods, charge the device periodically.
- **Sensor Care:** Keep the gas sensing holes clear of dust and debris. Regular calibration helps maintain sensor performance.
- **Storage:** Store the device in its hard shell carry case in a cool, dry place, away from direct sunlight and extreme temperatures.

11. TROUBLESHOOTING

If you encounter issues with your WT8811, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Device does not power on.	Low or depleted battery.	Charge the device for at least 6 hours.

Problem	Possible Cause	Solution
Inaccurate or fluctuating readings.	Insufficient warm-up time; sensors require calibration; sensor obstruction.	Ensure 20-second warm-up. Perform zero calibration. Check and clear gas sensing holes.
Alarms not activating.	Alarm thresholds not set correctly; alarms disabled in settings.	Verify alarm settings and thresholds in the menu. Ensure sound/light/vibration alarms are enabled.
Device does not charge or display battery graphic while charging.	Charging port issue; device design limitation.	Ensure USB cable and charger are properly connected. Note that some devices may not display live readings during charging.

If the problem persists after attempting these solutions, please contact Wintact customer service for further assistance.

12. SPECIFICATIONS

Attribute	Detail
Brand	Wintact
Model	WT8811
Style	4 in 1 Gas Leak Detector
Power Source	Battery Powered
Color	Black
Product Dimensions (D x W x H)	4.9" x 7.1" x 15.3" (approx. 71 x 153 x 49 mm)
Item Weight	0.48 Pounds (approx. 218g)
Alarm Type	Sound, Visual (Light), Vibration (Shock)
Operating Humidity	<95%RH
Upper Temperature Rating	122 Degrees Fahrenheit
Sensor Type	Electrochemical
Material	ABS
Battery Type	1800mAh Lithium Polymer (rechargeable, included)
Voltage	3.7 Volts
Charge Time	6 hours
Continuous Use Time	Over 8 hours
Accuracy	≤±5%FS
Response Time	<30 seconds (after 20s warm-up)
Oxygen (O2) Range	0 to 30%VOL

Attribute	Detail
Carbon Monoxide (CO) Range	0 to 1000PPM
Hydrogen Sulfide (H2S) Range	0 to 100PPM
Combustible Gases (LEL) Range	0 to 100%LEL





Figure 13: Dimensions of the Wintact WT8811 gas detector, showing its height, width, and depth.



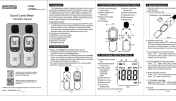
13. WARRANTY AND SUPPORT

The Wintact WT8811 Gas Leak Detector comes with a **12-month warranty** from the date of purchase. For any questions, technical assistance, or warranty claims, please contact Wintact customer service. Our friendly **24/7 customer service** team is available to assist you. You can find more information and contact details on the official Wintact store: [Wintact Amazon Store](#).

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Related Documents - WT8811

	<p>Wintact WT8811 Compound Gas Monitor Instruction Manual</p> <p>Comprehensive instruction manual for the Wintact WT8811 Compound Gas Monitor, detailing its features, operation, specifications, calibration procedures, and safety guidelines for industrial use.</p>
	<p>Wintact WT8820 Combustible Gas Detector Instruction Manual</p> <p>User manual for the Wintact WT8820 Combustible Gas Detector. This guide provides detailed instructions on product introduction, functions, safety precautions, operation, maintenance, and technical specifications for detecting flammable gas leaks. Includes information on sensitivity adjustment, battery and sensor replacement, and environmental operating conditions.</p>
	<p>Wintact WT8821 Oxygen Detector Instruction Manual and Specifications</p> <p>Detailed instruction manual for the Wintact WT8821 Oxygen Detector, covering its introduction, LCD display, components, operating instructions, technical specifications, and important warnings and precautions.</p>

	Wintact WT8800 Oxygen Monitor Instruction Manual Comprehensive instruction manual for the Wintact WT8800 Oxygen Monitor, detailing its features, operation, specifications, calibration, and safety precautions for accurate gas detection in industrial and professional settings.
	Instrukcja Obsługi PróbNIK Napięcia Wintact WT3010 Szczegółowa instrukcja obsługi bezdotykowego próbnika napięcia Wintact WT3010 1000V. Zawiera informacje o funkcjach, bezpieczeństwie, obsłudze, parametrach technicznych oraz utylizacji.
	Wintact WT85/WT85B Sound Level Meter Instruction Manual Instruction manual for the Wintact WT85 and WT85B Sound Level Meters, detailing features, operation, calibration, technical parameters, and the dB-Tester App for the Bluetooth version.

Documents - Wintact – WT8811



[pdf] User Manual Specifications

71688811005 WT8811 cdr Administrator Version WT8811 EN 00 MODEL Compound Gas Monitor

Instruction Manual Contact Email service@wintact.net Tel 86 13530057923 Wechat WhatsApp

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MODEL: **WT8811** Compound Gas Monitor Instruction Manual Any queries, kindly contact us feel free. Contact Email: service.wintact.net Tel: 86 13530057923 Wechat WhatsApp Skype: raymondzheng2014 Version **WT8811-EN-00 WT8811**

Standard: Q/HTY 010-2018 Q/HTY 011-2018 Q/HTY 012-2018 Q/HTY 007-2018

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