



Quick Start Guide

UNI Disposable



Single Gas Detector

WatchGas® UNI Disposable QuickStart Guide v1.31

Warning

- Never operate the detector when the cover is removed.
- Remove the detector cover and battery only in area known as non-hazardous.
- Use only a lithium battery Watchgas partnumber M500-0001-000 [1.17.02.0002] (3.6V, 2700mAh, AA size) or partnumber ER14505 cell manufactured by EVE Energy Co., LTD
- This instrument has not been tested in an explosive gas/air atmosphere having an oxygen concentration greater than 21%.
- Substitution of components may impair suitability for intrinsic safety and void warranty.
- It is recommended to bump test with a known concentration gas to confirm the instrument is functioning properly before use.
- Before use, ensure that the colorless ESD film on the display is not damaged or peeling. (The blue protective film may be removed.)

Avertissement

- N'utilisez jamais le moniteur lorsque le couvercle est enlevé.
- Retirer le couvercle du moniteur et la batterie uniquement dans une zone connue comme non dangereuse.
- Utilisez uniquement la batterie au lithium de WatchGas, pièce No. 1.17.02.0002 (3.6V, 2700mAh, taille AA) ou celle de EVE Energie Cie., Lté, pièce No. ER14505.
- Cet instrument n'a pas été testé dans une atmosphère explosive gaz / air ayant une concentration en oxygène supérieure à 21%.
- La substitution de composants compromettra l'aptitude à la sécurité intrinsèque et annulera la garantie.
- Il est recommandé de tester avec un gaz de concentration connu pour confirmer que l'instrument fonctionne correctement avant de l'utiliser.
- Avant l'utilisation, assurez-vous que la couche ESD incolore de l'écran n'est pas endommagée ou épluchée. (Le film protecteur bleu peut être enlevé.)

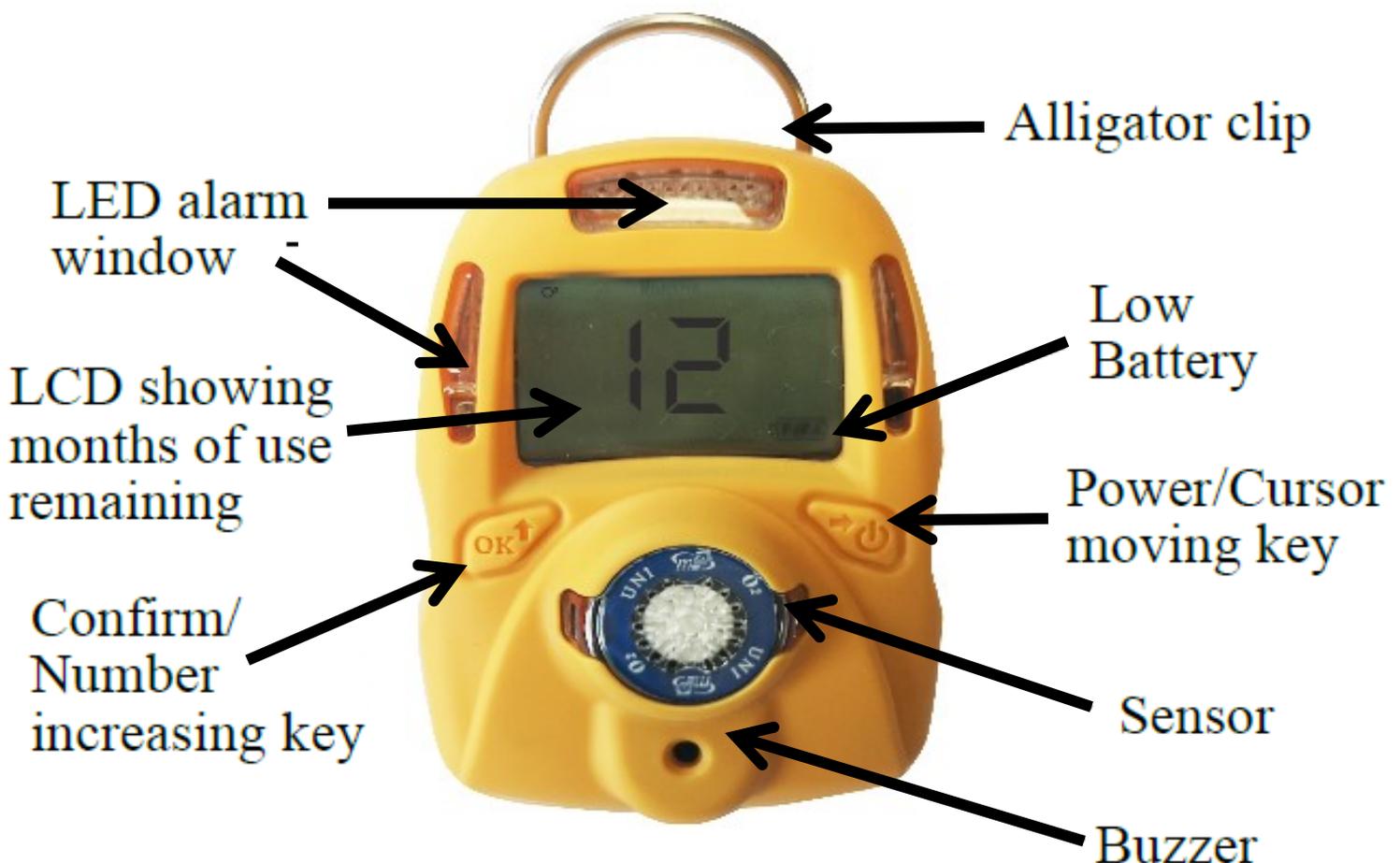
Read Before Operating

The User's Guide must be carefully read by all individuals who have or will have the responsibility of using, maintaining, or servicing this product.

The product will perform as designed only if it is used, maintained, and serviced in accordance with the instructions of the manufacturer.

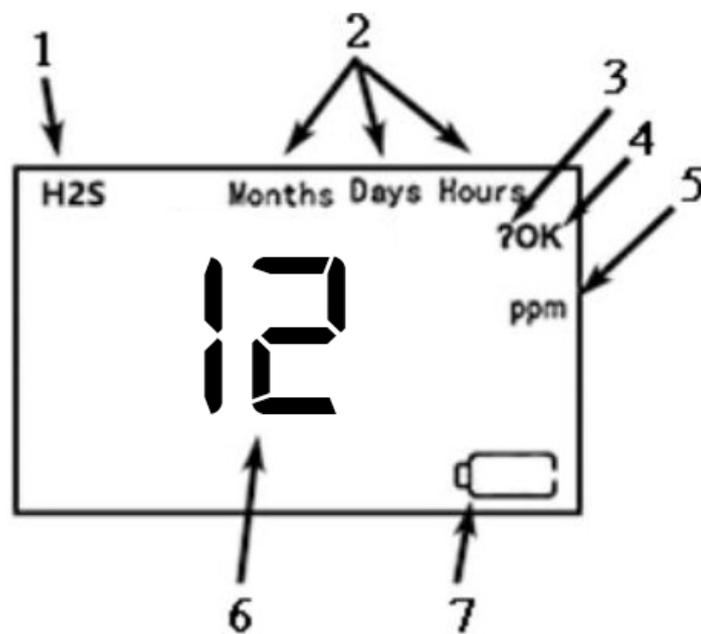
User Interface

The UNI 321's user interface consists of the LCD display, LEDs, an alarm buzzer, two keys: Left Key [Confirm/Number increasing] and Right Key [Power/Cursor moving], an alligator clip, and a sensor.



Display

1. Gas name, includes: CO, H₂S, O₂,
2. Remaining time unit: Months, Days or Hours
3. Question mark
4. Unit status indicator "OK"
5. Gas concentration unit, for alarm setting display
6. Remaining operation time
7. Low Battery



Turning the Unit On

Press and hold the Right Key for 3 seconds, until unit LCD displays "on", the buzzer beeps, and the green LED is on. After power on, the unit enters a warm up and self-test sequence, and then enters normal mode. Once the unit is turned on, it runs continuously until the remaining life time ends, and cannot be turned off.

Normal mode

In normal mode, the unit starts monitoring gas concentration. The LCD displays the remaining life time when there's no gas alarm. In case of a gas alarm, the alarm type is displayed: Low or High alarm.

Enter Config Mode

Press and hold the Left Key and the Right Key together for 3 seconds, the unit enters config mode.

Config mode is password protected, LCD display "PWD" to prompt enter password. To input password, use the Left Key to increase the number, use the Right Key to move the cursor.

After all four digits are input, the cursor will move to "OK", use the Left Key to finish password input and enter config mode.

Exit Config Mode

When LCD displays "Exit?", press the Left Key to exit from config mode back to normal mode.

Zero (Fresh Air) Calibration

Zero calibration sets the base line for the sensor and is done in fresh air or other clean air source. When the LCD displays “AiR”, press the Left Key to start zero calibration. When the 15-second count-down is finished, the zero calibration result “pass” or “fail” will be displayed. To abort zero calibration during the 15-second count-down, press the Right Key and the display acknowledges with “AbRt”.

Bump Test

A recorded Bump Test can only be done using an MP300 CaliCase with mPower Suite software. Please refer to the software user guide. A manual bump check can be performed by applying test gas and verifying that the alarms are triggered.

Daily Self-Test

1. Press the Left Key
2. Confirm that the following tests are performed:
 - a) LED flashes, Buzzer beeps, Vibrator is on
 - b) All LCD segments are shown
 - c) High and Low alarm settings are shown
 - d) Peak reading is shown if it occurred during the last 24 hours
 - e) Minimum Oxygen reading is shown if it occurred during the last 24 hours
 - f) Display returns to normal mode

Maintenance and Service

The UNI Disposable has a low cost of ownership.

Year of Manufacture

The year of manufacture can be identified by the fifth and sixth digits of the instrument serial number.

For example, 16 indicates that the unit was made in 2016.

Safety Certifications

UL/CUL:

CLASS I, GROUP A, B, C, D

CLASS II, GROUP E, F, G

CLASS III T4, $-20^{\circ}\text{C} \leq T_{\text{amb}} \leq 50^{\circ}\text{C}$

IECEX: Ex ia IIC T4

ATEX: II 1G Ex ia IIC T4

UNI Disposable Factory Calibration Certificate

The instrument was factory inspected, tested and calibrated in accordance with the conditions and requirements of our registered Quality System, Operating Standards and Sales Agreements.

Proper Product Disposal

At The End Of Life

The Waste Electrical and Electronic Equipment (WEEE) directive (2002/96/EC) is intended to promote recycling of electrical and electronic equipment and their components at end of life. This symbol (crossed-out wheeled bin) indicates separate collection of waste



electrical and electronic equipment in the EU countries. This product may contain one or more Nickel-metal hydride (NiMH), Lithium-ion, or Alkaline batteries. Specific battery information is given in this user guide. Batteries must be recycled or disposed of properly. At the end of its life, this product must undergo

separate collection and recycling from general or household waste. Please use the return and collection system available in your country for the disposal of this product.



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