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› DANOPPLUS H2S Monitor DP-8822 User Manual

DANOPLUS DP-8822

DANOPLUS H2S Monitor DP-8822 User Manual

Model: DP-8822
Brand: DANOPPLUS

1. INTRODUCTION

Welcome to the user manual for the DANOPPLUS DP-8822 Digital H2S Monitor. This device is designed for accurate detection of Hydrogen Sulfide (H2S) gas, providing essential safety features such as audible and visual alarms. Please read this manual thoroughly before operation to ensure safe and effective use.



This image displays the front of the DANOPPLUS DP-8822 H₂S Monitor, showing its LCD screen with H₂S concentration and temperature readings, along with control buttons. The back view shows the product label with specifications and the integrated clip.

2. IMPORTANT SAFETY INFORMATION

This device is intended for detecting Hydrogen Sulfide gas. H₂S is a highly toxic and flammable gas. Always follow local safety regulations and procedures when working in environments where H₂S may be present.

- Do not attempt to charge or disassemble the device in an explosive environment.
- Ensure the device is calibrated regularly as per recommended intervals.
- Do not block the sensor hole during operation.
- Replace batteries only with the specified type (3 AAA Alkaline batteries).
- In case of an alarm, evacuate the area immediately and follow established safety protocols.



An image showing the H2S detector with an overlay explaining that H2S is a flammable and hazardous gas, emphasizing the importance of a quality detector for safety.

3. PRODUCT OVERVIEW

The DANOPLUS DP-8822 H2S Monitor is a compact, clip-on device designed for personal safety.

Key Components:



This diagram highlights the key components of the H₂S monitor, including the LED alarm light, sensor hole, LCD display, Power and backlight ON/OFF button, Measurement data holding and setting button, Maximum/minimum value mode locking/UP button, and Unit switch/Down button.

- **LCD Display:** Shows H₂S concentration (ppm, VOL%, mg/M³, LEL%) and temperature (°C/°F).
- **Sensor Hole:** Location of the electrochemical H₂S sensor.
- **LED Alarm Light:** Flashes red during an alarm condition.
- **Buzzer:** Emits a high-decibel sound during an alarm condition.
- **Power/Backlight Button:** Turns the device on/off and controls backlight.
- **HOLD Button:** For measurement data holding and setting.
- **MAX/MIN Button:** For maximum/minimum value mode and navigation.
- **UNIT Button:** To switch measurement units and for navigation.
- **Back Clip:** For attaching the device to clothing.

CLIP

Clipped to your belt or clothes to keep yourself safety



A close-up image demonstrating how the H₂S monitor can be clipped onto clothing or a belt for convenient and secure carrying.

4. SETUP

Battery Installation:

The device requires 3 AAA alkaline batteries.

1. Locate the battery compartment on the back of the device.
2. Open the battery cover.
3. Insert 3 AAA batteries, ensuring correct polarity (+/-).
4. Close the battery cover securely.

Warning: Do not attempt to charge or disassemble the device in an explosive environment.

Powering On/Off:

Press and hold the **LIGHT** button to power on the device.

To power off, press and hold the **LIGHT** button again until the display turns off. The device also features an automatic shutdown indicator.

5. OPERATING INSTRUCTIONS

Measurement Display:

Once powered on, the LCD will display the current H₂S concentration in the selected unit and the ambient temperature.

Switching Units:

The device supports 4 switchable units for H₂S concentration: ppm, VOL%, mg/M³, and LEL%.

Press the **UNIT** button to cycle through the available measurement units.

Temperature can be switched between °C and °F. Refer to the device's specific settings menu for temperature unit adjustment.



This image illustrates the wide measurement range capabilities of the H₂S monitor, showing the four switchable units: 0~100ppm, 0~0.01VOL%, 0~152mg/M³, and 0~0.23LEL%.

Data Hold Function:

Press the **HOLD** button to freeze the current measurement on the display. Press again to release.

MAX/MIN Value Mode:

Press the **MAX/MIN** button to view the maximum or minimum H₂S concentration recorded since the device was powered on or reset.

Alarm Function:

The H₂S Monitor features both a high-decibel buzzer and a flashing red LED light alarm.

Alarms activate when the H₂S concentration reaches user-configurable high and low alarm thresholds.



An image demonstrating the alarm features of the H₂S monitor, including the LED flash alarm and the 120 dB sound alarm, indicating how the device alerts users to dangerous H₂S levels.

Configuring Alarm Thresholds:

Refer to the detailed instructions in the full manual for specific steps on how to manually configure the high and low alarm threshold values. This typically involves entering a settings menu using a combination of button presses.

6. CALIBRATION

Regular calibration is crucial for maintaining the accuracy of your H₂S monitor.

The DANOPLUS DP-8822 supports calibration. For detailed calibration procedures, including zero calibration and span calibration, please consult the comprehensive instruction manual provided with your device or contact DANOPLUS customer support.

Note: Calibration should ideally be performed in a clean air environment for zero calibration and with a known concentration of H₂S gas for span calibration.

7. MAINTENANCE AND CARE

Cleaning:

Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or solvents.

Storage:

Store the device in a cool, dry place away from direct sunlight and extreme temperatures.

If storing for an extended period, remove the batteries to prevent leakage.

Sensor Care:

Keep the sensor hole clean and free from obstructions. Avoid exposing the sensor to harsh chemicals or liquids.



This image shows the DANOPPLUS H2S Monitor alongside its protective carrying case and the included instruction manual, emphasizing the complete package for product care and portability.

8. TROUBLESHOOTING GUIDE

Problem	Possible Cause	Solution
Device does not power on	Dead or incorrectly installed batteries	Replace batteries with new AAA alkaline batteries, ensuring correct polarity.
Inaccurate readings	Sensor dirty or requires calibration	Clean sensor area. Perform calibration as per manual.
Alarm constantly active	High H2S concentration in environment or faulty sensor	Evacuate to fresh air. If alarm persists in clean air, contact support.
LCD display dim	Low battery or backlight off	Replace batteries. Press the LIGHT button to activate backlight.

If you encounter issues not listed here, please contact DANOPLUS customer support.

9. TECHNICAL SPECIFICATIONS

Feature	Specification
Model	DP-8822
Gas Detected	Hydrogen Sulfide (H ₂ S)
Measuring Range	0~100 ppm
Sensor Type	Electrochemical
Alarm	Buzzer & Red Indicator
Power Source	3 x AAA Alkaline batteries (included)
Product Dimensions	11.99 x 2.59 x 9.5 cm
Item Weight	113 g
Operating Humidity	10% - 95%
Material	ABS

10. WARRANTY AND CUSTOMER SUPPORT

Warranty Information:

For information regarding the warranty period and terms for your DANOPLUS DP-8822 H₂S Monitor, please refer to the warranty card included in the product packaging or visit the official DANOPLUS website.

Customer Support:

If you have any questions, require technical assistance, or need to report an issue with your device, please contact DANOPLUS customer support.

Manufacturer: DANOPLUS

For support inquiries, please refer to the contact information provided in your product documentation or the seller's information on the purchase platform.

