

POWERING INSTRUMENT

Power ON: Press and hold the middle button for 3 seconds.



Power OFF: Press and hold the middle button for 3 seconds.



SELF-TEST

Self-Test feature should be performed daily before survey to ensure that the instrument is operational.

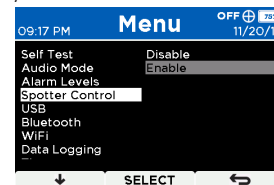
Self-Test and Calibration procedure:

1. Turn on the instrument and allow instrument to successfully boot up.
2. Press the MENU button and select the SELF-TEST option.
3. The screen will display and guide the next steps for the operator to follow within 10 seconds (enough time for the steps).
4. Place the instrument in its designated area in the carrying case, making sure it is all the way in place and flat.
5. Statuses of test will be present on the display and by audible tones. A continuous one beep every second means the instrument passed the self-test.
 - a. If the instrument fails, two beeps every second will play and operator should repeat self-test.
 - b. If instrument fails on a third attempt, contact Heath Consultants.

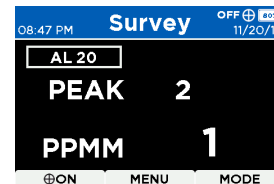
SPOTTER LASER

The green spotter laser is under the control of the operator and is on for one minute when the spotter "ON" button has been pressed.

To use the spotter laser, the user must first ENABLE the laser in the MENU. To do this, select MENU, scroll down to SPOTTER CONTROL, then select ENABLE.



The spotter icon will now be visible in the top menu bar. When the spotter laser is turned ON, the icon will change from white to green.



The left menu button will now display the spotter ON option. Pressing the left button (on/off) will activate the spotter for 1 minute.

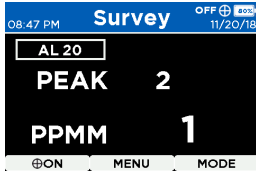
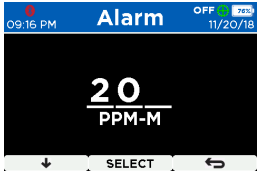


DMD MODE

The Digital Methane Detection (DMD) mode greatly enhances the use of the RMLD-CS. In most situations, the operator should survey with the DMD mode turned on. To turn on the DMD mode, press the MENU button, select AUDIO MODE, then select DMD.

ALARM LEVELS

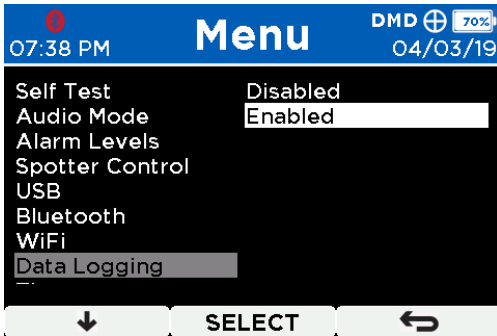
To change the Alarm Detection Threshold, press the MENU button, scroll down and select ALARM LEVELS. Press the down button to increase or decrease the threshold and SELECT to move the placeholder. The higher the threshold setting is, the less sensitive the instrument becomes. Press the back arrow button to return to the menu.



The alarm level setting is shown on the display within a rectangle (AL 20).

DATA LOGGING

The RMLD-CS data logging feature allows the instrument to store complete telemetry records of the instrument, while powered on, to an internal SD memory card. To enable this feature, select DATA LOGGING from the MENU, then select ENABLED.



To disable this feature, select DATA LOGGING in the MENU, then select DISABLED.

NOTE: Data logging does not need to be enabled in order for the instrument to record FAULT logs, SELF-TEST logs, or screen captures.

Data telemetry is recorded into multiple log files during operation. The following measurement information is contained within the log files:

- CH4 PPM-M measurement
- Battery level
- Battery voltage
- GPS location
- Timestamp
- Serial number of instrument

The log file also contains various system status fields and values that can be used to help evaluate unit performance or aid in troubleshooting if a fault condition occurs.

USB FILE TRANSFER

To access recorded/ captured data, plug in the provided USB cord into the instrument while powered on and to the operator's PC. The USB mode in the MENU must be set to "Mass Storage Device" for PC recognition and file logging operations.

NOTE: Recognition of RMLD-CS may take some time on first plug in as the required drivers are installed. Please allow time for this initial process to complete.

A file explorer window will open automatically when the device is ready for access. The basic file and folder structure is shown below.

Daily Folders: Will be created in the YYMMDD format

Self Test Logs: Will be created in the format, hhmss-SELF_TEST.txt

Data Logs: Will be created in the format, YYMMDD-hhmss_'USER'_Datalog.txt

NOTE: 'USER' will be replaced by the operator profile being used during operation.

SERVICE AND SUPPORT

Houston Factory Service Center
Manufacturing Division
9030 Monroe Rd
Houston, TX 77061
Phone: 713.844.1300
www.heathus.com

NOTE:

Read and understand manual fully before use.

Manual available online:

www.heathus.com/products/rmld-cs