



# RMLD-CS™

Remote Methane Leak Detector Complete Solution

Recognize the potential for increased safety, significant productivity gains and time-savings with the new RMLD-CS. Remote detection allows utility services personnel and first responders to quickly scan an area for suspected gas leaks at a safe distance.

The HEATH Remote Methane Leak Detector - Complete Solution (RMLD-CS) is a highly advanced technology, capable of detecting methane leaks from a remote distance utilizing the same TDLAS (tunable diode laser absorption spectroscopy) technology as the current RMLD. This instrument eliminates the separate receiver and transceiver, combining them into one hand-held instrument that is lightweight, portable and field rugged. The RMLD-CS makes it possible to detect leaks without having to travel the entire length of the pipe line, thus creating safer surveys in areas that may be difficult to reach such as busy roadways, yards with dogs, fenced off areas and other hard to access places. It operates under a variety of field conditions including a wide temperature range, light rain and fog. Its rugged design will stand up to normal field use and operating conditions and its sensitivity or range is not affected by reasonable amounts of dust on the instrument's window.

The RMLD-CS includes many new features including:

- ➔ Rechargeable and replaceable battery
- ➔ Dual battery charger
- ➔ Mobile App support
- ➔ Ergonomic housing
- ➔ Lightweight
- ➔ Graphical user interface
- ➔ Internal data logging
- ➔ WiFi
- ➔ GPS
- ➔ Bluetooth BLE
- ➔ Color camera
- ➔ Color display



Your Safety...Our Commitment

9030 Monroe Road, Houston, TX 77061  
[www.heathus.com](http://www.heathus.com) PH:713.844.1300

# SPECIFICATIONS

<b>Detection Method</b>	Tunable Diode Laser Absorption Spectroscopy (TDLAS)
<b>Measurement Range</b>	1 to 50,000 ppm-m
<b>Sensitivity</b>	5 ppm-m at distances from 0 to 50 ft (15m)
<b>Detection Distance</b>	100ft (30m) nominal. Actual distance may vary due to background type and conditions.
<b>Beam Size</b>	Conical in shape with a 22" diameter at 100 ft (55 cm at 30 m)
<b>Detection Alarms Modes</b>	Digital Methane Detection(DMD): Audible tone relative to concentration when detection threshold exceeded Adjustable Detection Alarm Level 1 to 999 Real Time(RT): Continuous audio chirp relative to concentration.
<b>System Fault Warning</b>	Unique audible pitch and indication on the display.
<b>Self Test &amp; Calibration</b>	Built-in Self Test and Calibration function verifies operation and adjusts laser wavelength for maximum sensitivity. Calibration results are stored on the device and can be downloaded by the user. Test gas cell integrated within carrying case.
<b>Compliance</b>	 EMC (EN61000-6-2, EN6100-6-4)
<b>Intrinsic Safety</b>	Pending
<b>Laser Eye Safety</b>	IR Laser: Class I, Spotter : Class 2 Do not stare into beam or view directly with optical instrument.
<b>Communications</b>	Bluetooth 4.2 BLE, WiFi, USB Dual Mode
<b>Display</b>	3.5" LCD
<b>Operating Temperature</b>	0° to +122° F (-17° to 50° C)
<b>Humidity</b>	5 to 95% RH, non-condensing
<b>Enclosure ( Inst.)</b>	IP54 (Water Splash and Dust Resistant)
<b>Instrument Weight</b>	≈ 3 lbs.
<b>Battery</b>	Removable, rechargeable, Li-ion battery pack, 12-15 VDC
<b>Battery Run Time</b>	8 hours at 32° F
<b>Battery Charging</b>	External, in-line, 110-240 Vac, 50/60 hertz, international
<b>Charge Time, Maximum</b>	2 - 3 hours
<b>Charging Indicator</b>	Integrated into dual battery charger

## ORDERING DETAILS



**RMLD-CS - HPN 105301**  
Includes carry strap, case, battery charger, power supply, USB cable, one battery pack, gas calibration test cell.



**Battery Pack - HPN 105384**  
Li-ion replacement battery.



**Battery Charger Base - HPN 105358**  
**Battery Charger Cable - HPN 105359**  
Charges two batteries at a time.

Heath Consultants Incorporated operates under a continual product improvement program and reserves the right to make improvements and/or changes without prior notification.



Your Safety...Our Commitment

9030 Monroe Road, Houston, TX 77061  
www.heathus.com PH:713.844.1300