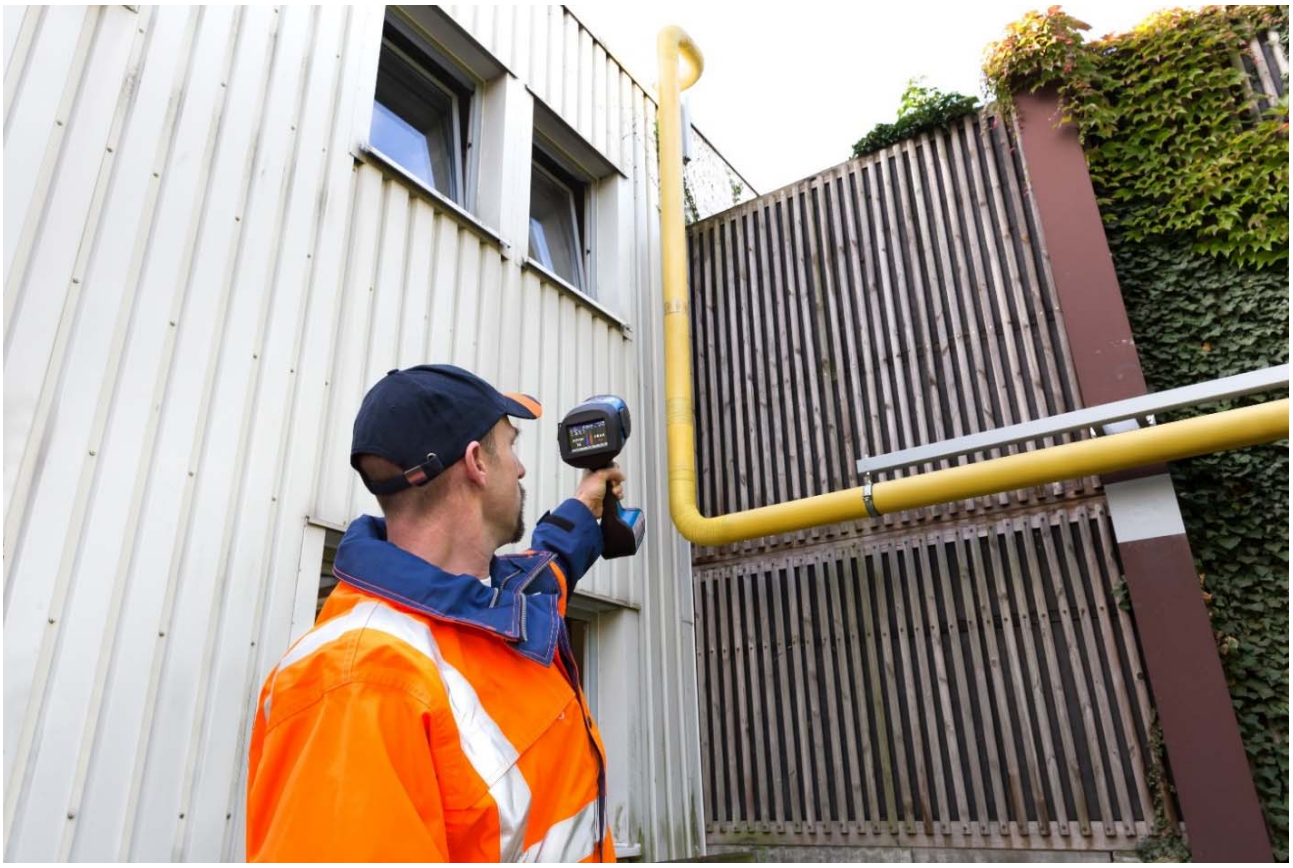
RMLD-CS

The **RMLD-CS** (**R**emote **M**ethane **L**eak **D**etector - **C**omplete **S**olution) is a highly advanced technology, capable of detecting methane leaks from a remote distance. This technology makes it possible to detect leaks in areas that may be difficult to reach such as busy roadways, yards with dogs, fenced-off areas, bridge pipes and biogas plants.



Additionally, the instrument contains a colour camera, which allows the user a live image of where the **RMLD-CS** is pinpointed. The internal SD card records an image snapshot, as well as the related measuring data. This enables a particularly efficient documentation of the detected leaks.

The **RMLD-CS** employs a technology known as „Tunable Diode Laser Absorption Spectroscopy“ (TDLAS).

Its laser passes through a methane plume, and absorbs a specific area of the infrared light, allowing the user to detect the gas leak from a safe distance.

The instrument is exclusively developed for detecting methane gas and shows no cross-sensitivity to other hydrocarbons. The gas concentration is calculated by the amount of infrared light that is absorbed by the gas. For example, if the gas plume has an expansion of 1 m and a concentration of 100 ppm, a value of 100 ppm*m is displayed. If the gas plume of 100 ppm is only 0.5 m wide, the measured value is 50 ppm*m.

The **RMLD-CS** operates under a variety of field conditions including a wide temperature range, light rain and fog.

The **RMLD-CS** has been approved as a methane-sensitive optical method for leak detection on membrane systems in accordance with TRAS 120.

The instrument includes many new features, which reduce costs and improve usage. These advanced features include:

- Colour camera
- Internal data logging
- Wi-Fi
- GPS
- Bluetooth-BLE
- Colour display
- Mobile App support
- Dual charger
- Rechargeable and replaceable battery
- Ergonomic housing

Please contact us for a comprehensive quote, incl. additional technical specifications and information on accessories.
107832 – 12/2019 – Subject to technical changes.