麦芽传感科技
Maiya Sensor Technology

ARD -MINI

laser methane telemeter



Product introduction

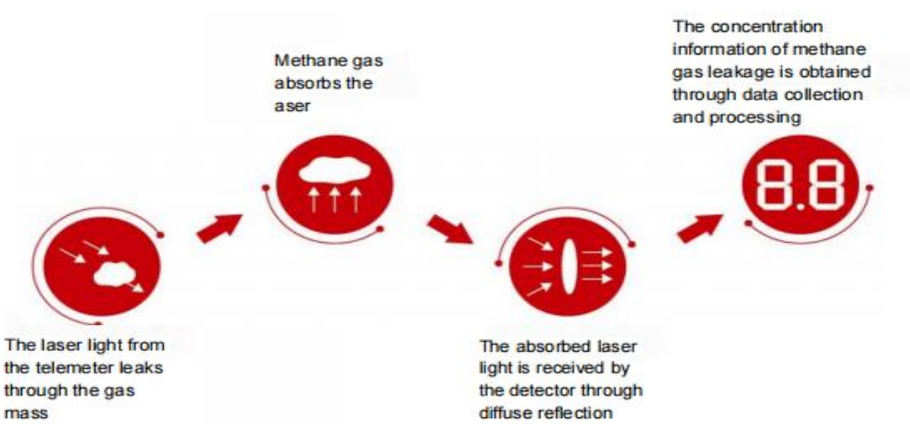
ARD -MINI laser methane telemeter, light weight, small size, easy to carry.

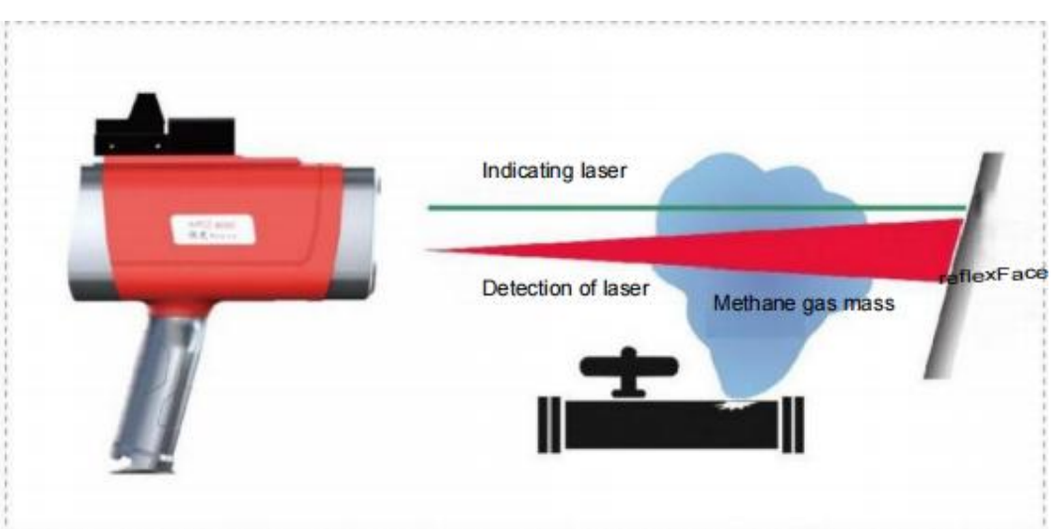
How it works:

When the laser emitted by the telemeter leaks through the gas mass, methane gas absorbs the laser. The absorbed laser reflects through the object and returns to the telemeter. After data collection and processing, the concentration information of methane gas mass is obtained.

The concentration unit is represented by methane column density (ppm·m):
Methane concentration (ppm) x air mass thickness (m).

ARD series laser methane telemeter adopts advanced TDLAS technology, using the diffuse reflection of the irradiated laser on the surface of the object and the absorption of methane gas to the specific wavelength of laser, can quickly realize the remote detection of methane gas, especially for a variety of personnel can not access the leak detection site.





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Efficient remote telemetry



Measured height of up to 30 floors



200 meters actual detection



2.5p pm· m minimum air mass concentration detection



Features and benefits

- long detection distance, ARD -MINI wearable laser methane telemeter detection distance of up to 60 meters, through the glass can detect 8 floors of indoor gas leakage, reducing the gas leakage caused by the safety risks.
- The product reaction speed is 0.05s, which greatly improves the inspection efficiency.
- Metal shell, reliable structure. Small structure, light weight, easy to carry. Fits in a pocket.

Application place:

- Places inaccessible to personnel such as overhead pipelines and narrow Spaces.
- residents kitchen, gas laboratory and other indoor places with Windows, can be directly detected through the window.
- Search for leakage points of buried pipelines.

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Technical parameters

Measuring range	0ppm•m ~ 100000ppm•m
Maximum sensitivity	5ppm•m
Detection distance	60 meters
Laser Class	Detection laser: Class I Indicating laser: Class III R Avoid direct exposure to glasses
Aiming method	scope and indicating laser
Response time	0.05s
Protection level	IP68
Explosion-proof class	Exib IIC T4 Gb
Operating temperature	-20℃ ~ 50℃
Duration	6 hours
Device power supply	Rechargeable lithium battery
Display	1 inch LCD
Dimension	130mm * 37.5mm * 40mm
Product weight	0.26KG
Wireless transmit	Mobile APP(IOS,Android), PC software