



AG-6-CH4-6012

LASER METHANE SENSOR

Industrial series



Features

- ✓ Strong anti-interference
- ✓ High detection sensitivity
- ✓ Strong structural protection
- ✓ Long life ≥ 10 years

Description

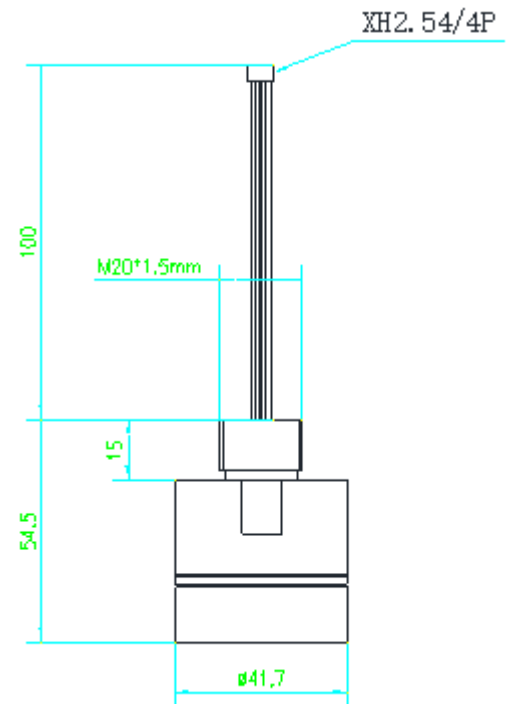
AG-6-CH4-6012 laser methane sensor adopts a new type of laser and photodetector core devices, combined with stable temperature control algorithm, concentration inversion algorithm and temperature compensation algorithm to achieve accurate measurement of methane concentration; the product is based on the Tunable Laser Absorption Spectroscopy (TD-LAS), the internal design of the multiple reflectance optical path structure, absorption of the light range is long, and the detection sensitivity is high; Pin mounting interface and stainless steel structure design to meet the requirements of intrinsic safety and explosion-proof, convenient for customers to quickly product integration, can be widely used in the catering industry, industrial chemical industry and coal mining and other fields.



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Technical Specification

Measuring Range	0-100%LEL (CH ₄)
Response Time(T90)	< 20s
Measurement Error	< ±3%LEL
Operating Voltage	3.0VDC to 3.6VDC
Power Consumption	< 300mW
Output Type	3.3V TTL level UART
Temperature Range	-10 - 55°C (Operating) -40 - 60°C (Storage)
Humidity Range	0-95% RH non-condensing
Weight	150g (with housing 170g)
Expected Life	10 years
Warranty	12 months
Explosion Proof Signs	Ex ia IIC T6 Ga



IMPORTANT NOTICE

The sensors contain precision optical components, please avoid severe impact. The operating voltage of the sensor is 3.3V. It is forbidden to supply more than 3.6VDC to the sensor in order to avoid damaging the sensor.

Under normal operating conditions, the sensor is warranted to be free of defects in material and workmanship for the specified period provided the sensor is properly installed and operated. The sole remedy for a sensor determined to be defective by Apollosense Ltd is limited to replacing the sensor. Apollosense Ltd will not be liable for the buyer's negligence, misapplication, abuse, or accident.