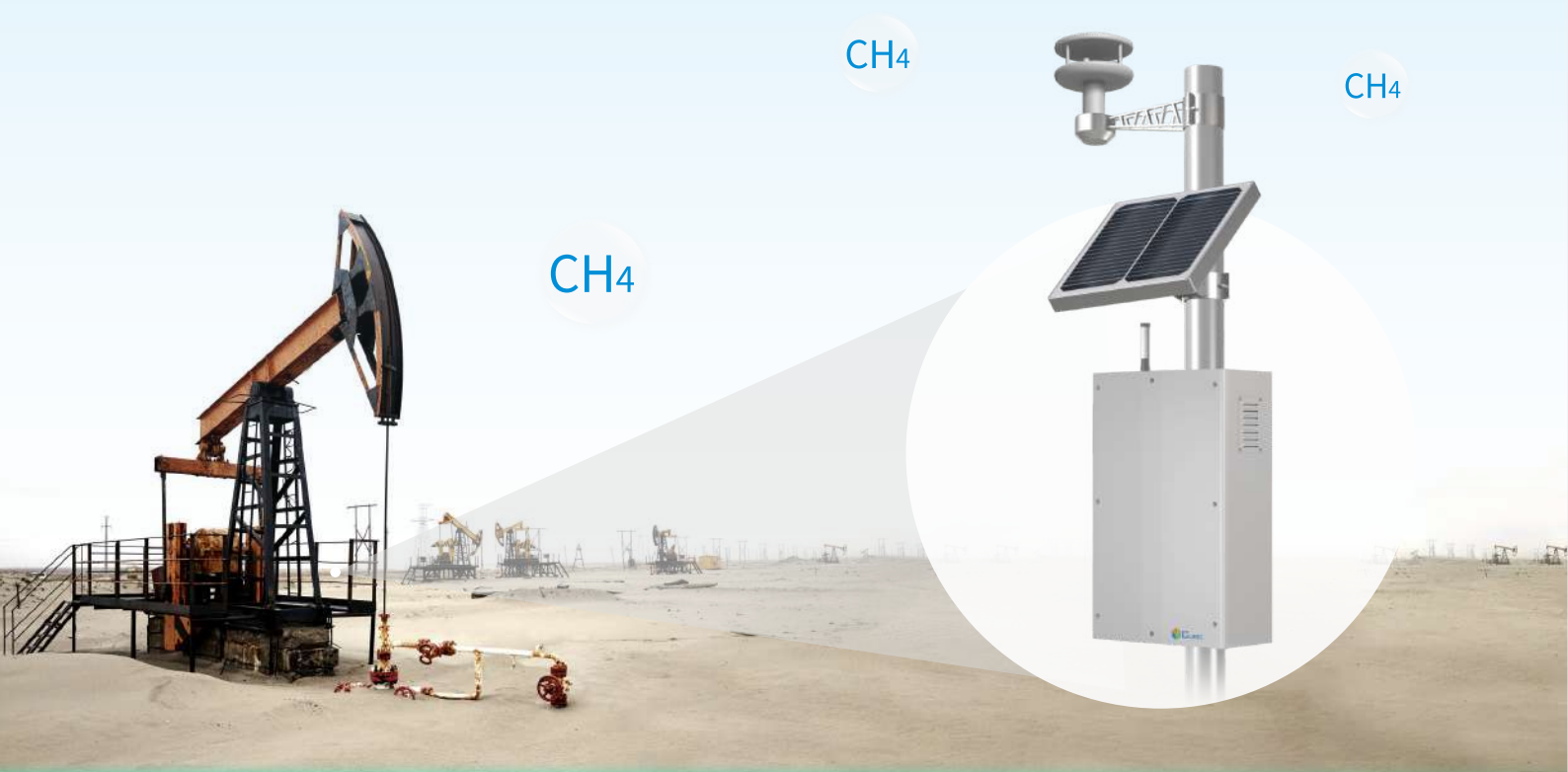


Continuous Methane Emission Monitoring System



Tunable Diode Laser Absorption Spectroscopy (TDLAS)

Features

- Excellent quantitative continuous emission monitoring
- Superior accuracy and sensitivity
- Outstanding performance at hazard environment
- Flexible customized wireless communication
- Smart power consumption management
- Integrated with 2D ultrasonic wind speed and direction sensor
- Long lifetime over 10 years

Description

Cubic Continuous Methane Emission Monitoring System is a state-of-the-art methane sensing solution designed for continuous methane emissions monitoring. It adopts Cubic advanced Tunable Diode Laser Absorption Spectroscopy (TDLAS) technology with superior methane selectivity, ultra-high resolution, and the most reliable optical platform.

Due to its smart algorithm mechanism to fulfill flexible temperature and humidity compensation, Continuous Methane Emission Monitoring System enables detection unit well adapt to variable outdoor environmental factor impact such as condensation, dusty and extreme weather. Furthermore, extended with wind direction and speed sensor, Continuous Methane Emission Monitoring System captures real-time complete weather information for leak traceability.

Continuous Methane Emission Monitoring System could be quickly and easily deployed on site as fixed point monitor. Its integrated solar panel with built-in battery, intelligent power consumption management, and scalable wireless communication module, make Continuous Methane Emission Monitoring System self-sustaining and perfect for field remote sensing scenarios.

Cubic innovative and robust Continuous Methane Emission Monitoring System enables credible and reliable quantitative continuous methane emissions monitoring for oil and gas industry.

Specifications

Target Gas	Methane (CH ₄)
Working Principle	Tunable Diode Laser Absorption Spectroscopy (TDLAS)
Measurement Range	0~1000ppm
Accuracy	±5ppm+2%of reading
Resolution	0.1ppm
Detection Limit	1ppm
Warm-up	T ₉₀ <10s
Working Temperature	-20°C~60°C
Working Humidity	0~95%RH (non-condensing)
Working Pressure	86kPa~106kPa
Power Supply	Solar panel with battery
Communication Mode	LoraWan (other 4G/GSM optional)
IP Grade	IP66
Design Lifetime	10 years

Cubic Sensor and Instrument Co.,Ltd.

Add: Fenghuang No.3 Road, Fenghuang Industrial Park, Eastlake Hi-tech
Development Zone,Wuhan, 430205, China
Tel: +86-27-81628827 Fax: +86-27-87401159
Web:en.gassensor.com.cn E-mail: sales@gassensor.com.cn

