

Combustible gas leak detectors

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FRLD200 PTZ Scanning Methane Detector

FRLD200 PTZ scanning laser Methane detector is an area-detection product outdoor use. By adopting high-performance and large-light-surface photosensitive optics and micro-control technology, combined with sophisticated SMD technology, this equipment has good repeatability, lower influence by temperature and humidity, long lifespan, easy-to-operate and other advantages.



Visual monitoring platform

TECHNICAL FEATURES

- Remote detection of gas leakage
 - Longer detection distance (Max. 150m)
 - Fast response, high sensitivity
 - High accuracy, stable performance and long lifespan
 - Multiple signal output (RS485, Ethernet, 4-20mA)
 - Professional mounting bracket, easy and convenient to install on site
 - Flameproof head, horizontally 360 degree continuous rotation, vertically ± 90 degrees
 - Night vision infrared system, 2 megapixels, 20 x optical zoom
 - Visual monitoring platform, real-time and effective location of leakage point.

APPLICATION

The equipment is widely used in gas detection of natural gas gate station and storage station, oil refinery, chemical plant, metallurgy industry, electric power industry and other places that may produce harmful gas to human body.

TECHNICAL PARAMETER

Detecting gas	Methane (CH ₄)
Principle	Laser spectral absorption technology
Detection range	0-50000ppm.m
Threshold	100ppm.m
Response time	T ₉₀ ≤1s
Detection distance	≥100m
Rated voltage	14VDC~32VDC
Signal output	RS485, Ethernet, 4-20mA
Enclosure material	Stainless steel

Operation mode	Rs485 control unit
Cable entry	NPT3/4 (F)
Explosive proof	Ex d IIC T6 Gb / Ex tD A21 IP66/67 T80°C
Ingress protection	IP66 / 67
Working temperature	-40°C ~ +60°C
Working humidity	<95%RH (no condensation)
Wind speed	No more than 8m/s
Dimension	498*378cm
weight	30kg

APPLICATION SCENARIOS



Natural gas border station



Natural gas storage station



Petrochemical plant



Electrical industry