



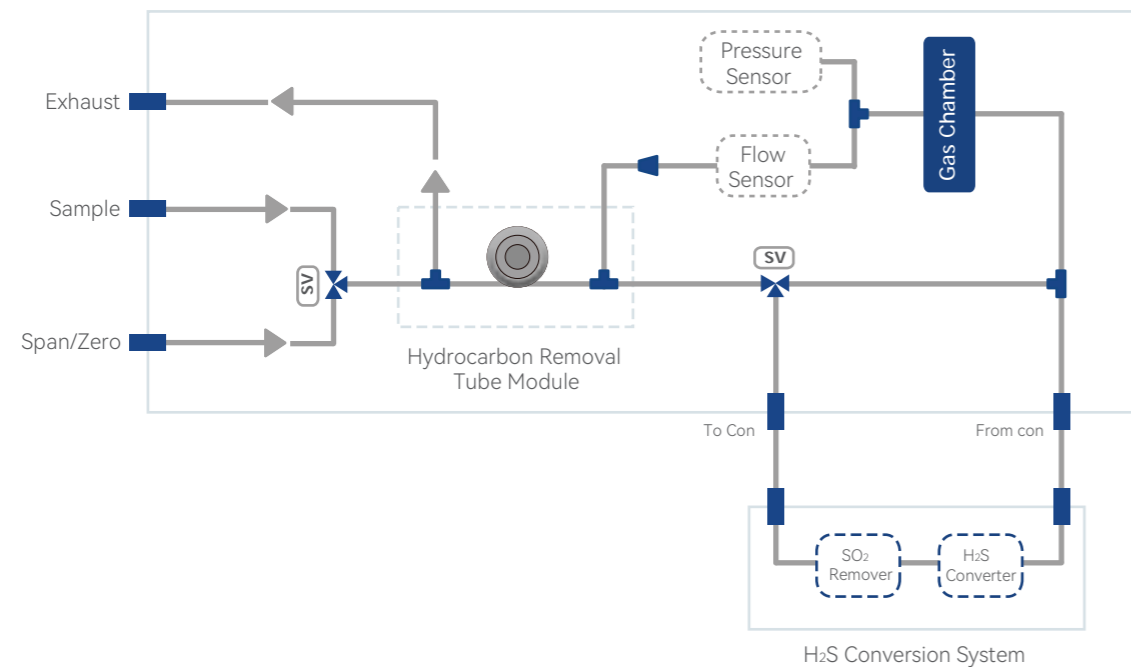
AQMS-550 H₂S Analyzer

AQMS-550 H₂S analyzer adopts UV fluorescence principle with an external thermal catalytic converter to measure H₂S in ambient air at levels commonly required.



Principle

AQMS-550 is equipped with an external mounted catalytic converter set at 315°C to convert H₂S to SO₂. By passing the sample through a SO₂ scrubber which removes any SO₂, the H₂S is converted to SO₂ using this H₂S converter and measured using the pulsed fluorescence technique.



Features

- 01. Independent ranges and auto ranging
- 02. Vivid color graphics display with touch screen interface
- 03. Various outputs include RS232, RS485 and USB comports
- 04. Continuous system diagnosis with alarm
- 05. Temperature & pressure compensation
- 06. Less spare costs, accessories and maintenance requirement
- 07. Large data storage capacity
- 08. Low power demand of lasted model cause less power consumption

Specifications

Principle	UV Fluorescence
Measured Gas	H ₂ S in ambient
Range	SO ₂ :Min:0~50ppb Max:0~20ppm H ₂ S:Min:0~50ppb Max:0~10ppm
Measurement Units	ppb, ppm, µg/m ³ , mg/m ³ (Selectable)
Range/Lower Detectable Limit	<0.4ppb or 0.5% of reading
Zero Noise	<0.2ppb
Span Noise	<0.5%F.S.
Zero Drift	<1ppb/24hours; <5ppb/7days;
Span Drift	<1%F.S.
H ₂ S Converter	315°C
Sample Flow Rate	(650±65)sccm
Linearity	<1%F.S.
Response Time	<150 second
Rise/Fall Time	<30 second
Data Transmission	2 channel analog (4~20) mA; 2 analog (0~5) V; 12 digital input/output; 4-way relay output;
Output	RS232, RS485, Ethernet
Operating Temperature	-5~55°C
Power Requirement	(230±10)V AC, (50±10%)HZ
Dimensions	178(H)x432(W)x604(D)mm
Weight	18~19kg