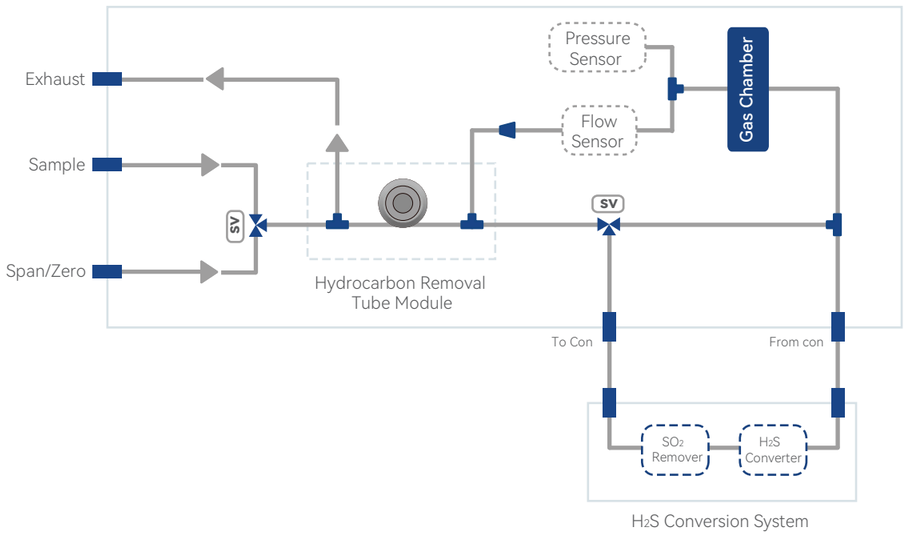
AQMS-550 H_2S Analyzer

AQMS-550 H_2S analyzer adopts UV fluorescence principle with an external thermal catalytic converter to measure H_2S in ambient air at levels commonly required.

Principle

AQMS-550 is equipped with an external mounted catalytic converter set at 315℃ to convert H_2S to SO_2. By passing the sample through a SO_2 scrubber which removes any SO_2, the H_2S is converted to SO_2 using this H_2S 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_2S in ambient
Range	SO_2:Min:0~50ppb Max:0~20ppm H_2S:Min:0~50ppb Max:0~10ppm
Measurement Units	ppb, ppm, μg/m³, mg/m³ (Selectable)
RangeLower 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_2S Converter	315℃
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℃
Power Requirement	(230±10)V AC, (50±10%)HZ
Dimensions	178(H)x432(W)x604(D)mm
Weight	18~19kg