



**EIE**

Auto Hydrogen Sulfide Tester  
**EIE-AHSD-01**

# Auto Hydrogen Sulfide Tester



- SNT 2943-2011, SHT 0231-1992
- Improving accuracy and repeatability
- Reducing human interaction
- The instrument can connect airbags and cylinder samples
- Choosing different combinations of high, medium, and low
- The built-in inert gas purge function ensures cleanliness.



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## Introduction

The auto hydrogen sulfide tester developed by Canada Etech International Enterprises Inc. (EIE) replaces manual operation since the sampling rate of manual sampling is unstable. The traditional hydrogen sulfide detection tube has low accuracy. And the human observes the scale to read the value causes a relatively large error. In terms of efficiency, manual work can only make one sample at a time, which is inefficient.

The measurement accuracy of the existing manual operation equipment is within  $\pm 15\%$ , and our instrument can test samples which three different contents: high, medium, and low. The accuracy reaches the ppm-level. Just insert the sample taken into the corresponding inlet, and the software will start the sequence and then automatically complete the measurement of multiple samples. It dramatically improves work efficiency and reduces the contact between samples and people. Moreover, it protects the operator's health. The accuracy and the repeatability of the analysis are improved as well.

## Technical Features

1. The instrument can connect airbags and cylinder samples.
2. According to user needs, it can run automatically according to a preset sequence without manual intervention.
3. All the main pipes of the instrument are made of inerting materials to prevent the adsorption of hydrogen sulfide.
4. The built-in inert gas purge function ensures the cleanliness of the sampling system and avoids mutual interference between samples.
5. All sampling functions exist in the form of "methods" and only need to be called.
6. According to user needs, developers can provide remote "methods" for development and maintenance to achieve timely services.
7. The internal modular assembly of the instrument is easy to determine the fault and replace the parts.
8. Users can choose different combinations of high, medium, and low.



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### SPECIFICATIONS

Standards	
SNT 2943-2011, SHT 0231-1992	
Technical Details	
Intel	3, 6, 9, 12
Sampling Sequence	Customize
Filtration	Built-in replaceable filter
Sampling Method	Suction pump
Sampling System Cleaning	Nitrogen blowing for user-defined times
Analytical Method	Can be saved or selected in the software
Power Voltage	AC 110 - 230V $\pm$ 10% 50-60 Hz
Power	240W
Measuring range and resolution	
Low Content: 0-50 ppm	Resolution: 0.05 ppm
Medium Content: 0 - 1000 ppm	Resolution: 1 ppm
High Content: 0 - 5000 ppm	Resolution: 5 ppm