

Hydrogen Analyzer

Hydrogen Emissions Analyzer System Product Lines

In-Cell H2 Emission Measurement & Testing

Mass Spectrometer (MS)

- Model Name: Bex-1001H
- Lowest Range: 0 - 1 vol% (OP : 0 - 0.5vol%)
- Highest Range: 0 - 10 vol% (OP : - 100vol%)
- Advantage: High Sensitivity, High Response Time, No Cross Sensitivity to Other Components

Thermal Conductivity (TC)

- Model Name: Bex-1002H
- Lowest Range: 0 - 20 vol%
- Highest Range: 0 - 100 vol%
- Advantage: Robust Technology, Cost Effective

Gas Chromatography (GC)

- Model Name: Bex-1003H
- Lowest Range: 0 - 0.3 vol%
- Highest Range: 0 - 100 vol%
- Advantage: Very High Sensitivity Possible



Benefits

- Analyzer selection depending on application.
- Integration with FTIR analyzer system possible
- Integration with classical analyzer system possible
- High accuracy measurement operation.

Features

- Customizable Measurement ranges
- Analyzer tailored to application.
- Usage in combination with any Exhaust gas environment (e.g. mixed fuel operation of H2 with Diesel, Gasoline, alternative fuels)

Specification Comparison

	TC_H2	MS_H2	GC_H2
Lowest Range	0 - 20 vol%	0 - 1 vol%	0 - 0.25 vol%
Noise	<±1.0% FS	<±1.0% FS	<±1.0% FS
Repeatability	<±1.0% FS	<±1.0% FS	<±1.0% FS
Accuracy	<±1.0% FS	<±1.0% FS	<±1.0% FS
Drift	<±1.0% FS	<±1.0% FS (8h, ±5°C)	<±1.5% FS (4h, ±5°C)
Linearity	<±1.0% FS	<±1.0% FS	<±1.0% FS
Response Time	T90 < 2 sec	T90 < 1 sec	Every 30 sec
Cabinet size	550W×850D×1640H	700W×1000D×1850H	600W×900D×1250H

Contact Us to Discuss Your Applications

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