HA-3000 Hydrogen Analyzer

Product Overview

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HA-3000 Hydrogen Analyzer is based on the physical characteristics that different gases have different thermal conductivity and that the thermal conductivity of the mixed gas varies with the content of the measured components. The instrument adopts a stable and reliable thermal conductivity gas sensor and micro-processing technology, with large LCD display,

- Thermal conductivity gas detection principle, stable and reliable.
- Microflow detector with high sensitivity and fast response.
- With timed auto storage function, the stored data can be viewed at any time.
- With RS232 communication port, it can connect serial port printer or realize two-way communication with computer.
- It can compensate the interference of background gases including CO, CO2 and CH4 in the mixed gas for hydrogen measurement, and realize the accurate measurement of hydrogen in the mixed gas.

Application

Applied to online gas analysis in industrial production and other hydrogen analysis occasions.

Specifications

Measurement range: 0~1%; 0~2%; 0~3%; 0~5%; 0~6%; 0~10%; 0~15%; 0~20%; 0~25%; 0~30%; 0~35%; 0~40%; 0~50%; 0~60%; 0~70%; 0~100% (volume ratio: N2:H2), every instrument can only select one range.

Repeatability error: ≤0.75%.

Minimum division value:0.01% H2

Output signal: 4-20mA DC (allowable external load<800Ω) ,

0~10mA DC (allowable external load<1600Ω)

Response time:<40s (T90)

Sample gas temperature: 0~50°C

Sample gas pressure:≤0.2MPa

Sample gas flow: 200mL/min

Ambient temperature: 0~40°C

Ambient humidity: 20%~80% (except condensation)

Supply voltage: 220V±22VAC

Power:<60W

Air velocity: 0.5m/s

Working position: horizontal installation (±10°)

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