

ZA-2001 Triple Range Thermal Conductivity Hydrogen Purity Analyzer



Brief Introduction

ZA-2001 triple range thermal conductivity hydrogen purity analyzer (analyzer + sampling system) adopts sensors based on reliable and stable thermal conductivity principle developed by Honeywell (USA) to provide high sensitivity and accurate analysis on two-phase gases. It is designed for monitoring the hydrogen purity in the generator and gas purity during the gas replacement process in generators. It is widely used in power plant.

Main Features

- ◆ Appointed auxiliary products in generator plant
- ◆ Meet the need of gas detection during generators operation and gas replacement
- ◆ A wide range of temperature compensation technology
- ◆ Accurate sampling system
- ◆ Unique automatic blowdown technology and safe bypass function
- ◆ Explosion-proof sensing unit, reliable operation performance, quick response speed
- ◆ Cabinet of installed analyzers and sampling system, convenient to calibration on-site

Technical Parameters

Measurement range:	Range 1: 0~100% CO ₂ in AIR
	Range 2: 0~100% H ₂ in CO ₂
	Range 3: 75~100% H ₂ in AIR
Precision:	±2%F.S(Two mixed gases in standard condition)
Response time:	
Hydrogen:	63%:13 s ; 90%:23 s
Carbon dioxide:	63%:24 s ; 90%:45 s
Output range:	4~20mA(Factory settings) corresponds to 75~100% H ₂ in AIR Maximum load of 800 ohms
Relay output:	Two editable SPDT alarm relay(Factory settings) Alarm 1 corresponds to 98.0% (editable) Alarm 2 corresponds to 90.0% (editable) Alarm relay contact capacity

Add: No.101 Yulan Street, Zhengzhou High & New Industry Development Zone, Henan, China

Tel: +86-371-68988008 **Fax:** +86-371-56980200

Website: <http://www.globeinstrument.com>

E-mail: sales@globeinstrument.com

Load: 5A@24VDC or 120VAC or 240VAC

Induction loads: 50VA

Sample gas requirements: Sample gas flow rate: 0.1L/min-2.0L/min (1SCFH)

Environmental requirements: Relative humidity: 90% (Max)

Temperature range: -10°C ~ +50°C

Storage temperature: Max 70°C

Power Requirements: Control unit only: generally 90~264VAC, 50~60Hz

Power consumption: 18VA(Max)

Standard sensing unit:

Product design and manufacture accord with the Exi certification of the U.S. (FM) and Canada (CSA).

Please refer to the English instructions for detailed information

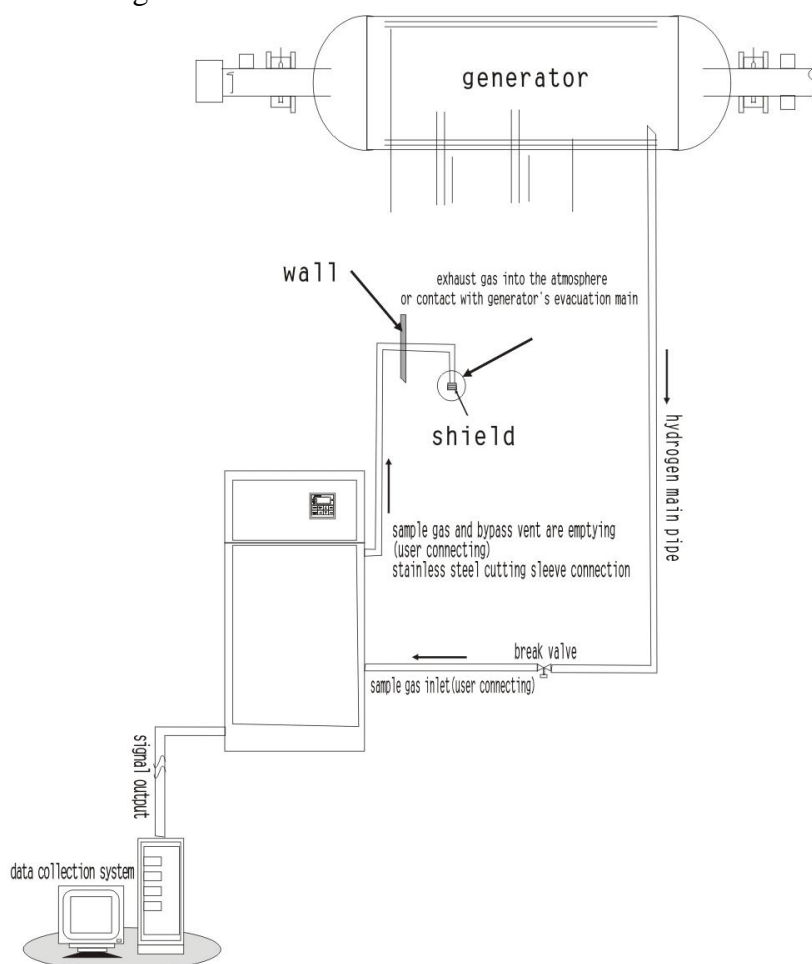
Standard control unit:

Product design and manufacture accord with European standards: 73/23/EEC

Please refer to the English instructions for detailed information

Dimensions: 800mm×400mm×1660mm

Weight: About 131Kg



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