

Hydrogen Analyzer—Better solution for Green Hydrogen!

Overview

Thermal conductivity gas transmitter (analyzer) has ***built-in temperature and humidity measurement and compensation***, is cost-effective and suitable for stable and continuous measurement of the content of hydrogen (H₂).

Application

- Water electrolysis to produce hydrogen
- Hydrogenation unit
- Hydrogen-cooled generator
- University and research
- Metal heat treatment/welding
- Chemicals/Pharmaceuticals
- Air Separation Unit



Parameters

Measuring principle	Thermal conductivity (TCD)
Display	1.8" industrial color LCD, 160*128Pixel
LED Light	Status LED Light(NAMUR NE107)
Linearity	< 1% F.S.
Repeatability	< 1% F.S.
Sensitivity	0.02% F.S.
T90-time	<1sec at flow rate higher 60l/h
Power	19 ~ 28V DC Power
Analog Output	4~20mA
Relay Output	3 Relays, NO, 5A 250VAC/30VDC
Communication	RS485, MODBUS RTU
Electrical protection	EMI / RFI CEI-EN55011 – 05/99
Flow rate	40l/h to 150l/h; 60l/h -80l/h recommended
Process Pressure(Max.)	10Bar
Temperature Range	-40 ~ 85°C
Humidity Range	0~95%RH (non-condensing)
Process Connection	G3/8 screw or 6mm tube
Ambient Temperature	-15 ~ 60°C
Housing Material	Aluminum and Stainless steel
Explosion-proof	Exd IICT4 Controller optional

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Note:

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