

H₂ Analyzer

Hydrogen Analyzer used for nitriding and other process gas applications

Nitriding Potential (Kn)

Displays 0 - 100% H₂

Calculates and Displays %DA and Kn

Capable of %DA and Kn with manual input of N₂ and NH₃ flows



PN: 13537

800 X 480 Color Touch Screen

Included Software for Data Management

- Data manager for downloading
- Print charts and tabular data
- Add notes when capturing data
- Graphical display on PC
- Export utilities



General Specifications

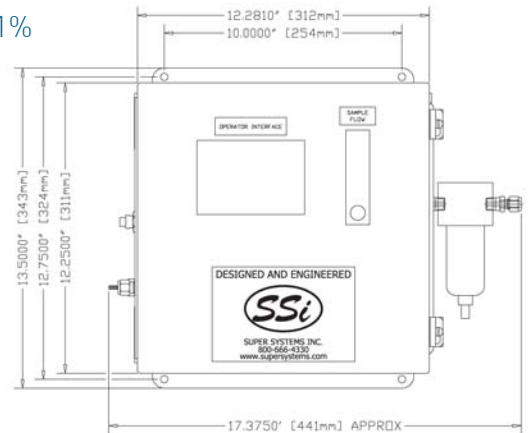
- Input Voltage: 100 - 240 VAC
- Maximum Current Draw: 0.2A @ 120 VAC
- Enclosure Weight: 22.5 lbs / 10.2 KG
- Analog Outputs: Two 4-20mA outputs common supply and isolated from other electronics
- Output variables: %H₂, %NH₃, %DA, and Kn on either output
- Field calibration for zero and span
- Ethernet and USB communications
- Hydrogen measurement: Range: 0 to 100% Accuracy: +/- 0.01% Repeatability: +/- 0.01% Resolution: +/- 0.01%
- Sample flow rate: 1.5-2 cfh

Portable H₂ Analyzer



PN: 13536

- Measures H₂ from 0 to 100% with 0.01% resolution
- Calculates NH₃, DA, and Kn for nitriding applications
- Rechargeable batteries
- Ethernet and USB communications
- Includes software for data management
- Built in sample pump
- Rugged enclosure for portable industrial use
- Built in data logging
- Color touch-screen



INNOVATIVE SOLUTIONS WORLDWIDE



Super Systems
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OEM H₂ Sensor

Specifications



PN: 20624

Features

- Measures H₂ from 0 to 100% with 0.01% resolution
- Calculates NH₃, DA, and Kn for nitrider applications
- Two isolated 4-20mA analog outputs
- One RS232 port with Modbus RTU or a simple ASCII protocol
- One RS485 port with Modbus RTU protocol
- Wide power supply input range (9-30 VDC)

Temperature and Humidity:

Electronics: 0 to 50°C, RH to 90% non-condensing

Sample Gas: 0 to 70°C, RH 0 to 90% non-condensing

Storage: -20 to 70°C, H 0 to 90% non-condensing

Hydrogen measurement:

Range: 0 to 100%

Accuracy: +/- 0.01%

Repeatability: +/- 0.01%

Resolution: +/- 0.01%

Sample flow rate:

1.5-2 cfh

Power requirement:

9 to 30 volts DC @ 2 watts

Material:

Stainless steel sensor housing

Weight:

350g

RS-232 Serial Communications:

Protocols: Modbus RTU or simple ASCII

Baud Rates: 9600, 19200, or 38400

Format: 8 bits, no parity; 1 stop bit, no handshaking

Connection: DB-9P

RS-485 Serial Communications:

Protocol: Modbus RTU

Baud Rates: 9600, 19200, or 38400

Format: 8 bits, no parity; 1 stop bit, no handshaking

Analog Outputs:

Two 4-20mA outputs common supply and isolated from other electronics

Output variables: %H₂, %NH₃, %DA, and Kn on either output

Adjustable range of PV: zero and span

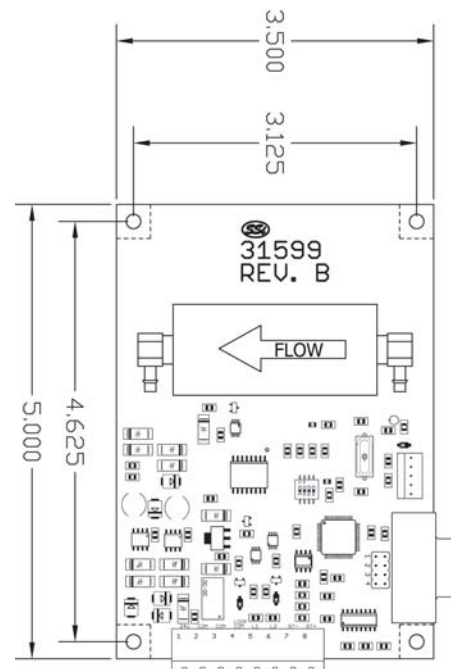
Resolution: 0.005 mA

Accuracy: +/- 0.01% of range

Linearity: +/- 0.01%

Minimum load resistance: 0 ohm

Maximum load resistance: 500 Ω



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