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VASTHI
INSTRUMENTS

Online Hydrogen Purity Analyzer



VOH₂P
500

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Plot No. 21 & 22, Block No. 24,
Phase - 4, AutoNagar,
Guntur 522 001, AP

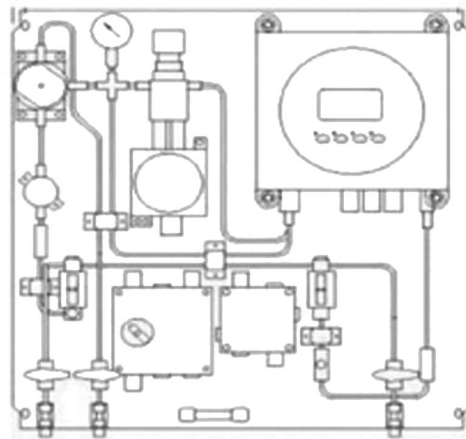
Vasthi Online Hydrogen Purity analyzer is the Most Convenient and economical Standard Analyzer

Electrochemical cell analyzers for H₂ proven technology from gas analyzer experts

- * ppm or % H₂ level
- * Hazardous area options
- * Choice of cell for different applications” Remote or integral sensor
- * choice of sample systems

Applications

- ” Nitrogen generators
- ” Inert gas systems
- ” Air separation
- ” Furnace atmospheres
- ” Biogas
- ” Glove boxes
- ” Gasification
- ” Packaging



A choice of configuration is available. The most convenient and economical is a standard analyser with the cell mounted on the rear. Alternatively, there is remote sensor housing complete with flow meter and valve. Where cable lengths and/or hazardous area conditions are an issue, the transmitter can be located in the sensor housing.

Different sample conditioning systems are available, standard or bespoke, according to the process conditions. Filters, pumps and regulators can all be incorporated to deliver the sample in the correct condition. Bypass flow systems enable longer distances from process to analyser to be achieved.

Vasthi are ready to recommend the right system for you on receipt of the full gas stream specification. For hazardous area applications the sensor may be mounted remotely in the hazardous area and safely connected.

Sepecifications

Measuring Range & Gas	0-100.0°A H2 in Air
Generator Purity Mode	0-100.0% H2 in CO2
Generator Purity Mode	0-100.0°A Air in CO2
Minimum Resolution	0.1%
Read out	Digital Graphical Display
Sampling mode	Direct Plug - in
Detection Principle	Thermal Conductivity (Katharometer)
Accuracy	+/- 0.2°A of full scale
Response time	less than 10 seconds
Warm up time	0 seconds
Application Data	20°C - to 50°C (-4°C to 122°C F)
Environmental Temperature Range	10 to 25 PSIA, 10 PSIG Maximum
Sample Inlet Pressure	0.1- 10 L/min (0.2 to 20 scfh)
Sample Flow Rate	100 - 240 VAC, 50-60 HZ standard
Electrical & Communications	
Input Voltage	12 - Volt, Sealed Lead - Acid Battery
Electrical Storage	Approx. 8 hours usage time per charge
Current	0.5 A @ 120 VAC during recharging
Alarms	Two levels (selectable range)
Warranty	One year expect Batteries



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