

ROX GHX-300

HYDROGEN GENERATOR

For Medical & Laboratory Applications

ROX GHX-300 is a high-performance hydrogen generator designed for laboratory and medical applications. It delivers high purity hydrogen with stable flow and pressure, ensuring reliable performance for critical analytical instruments and processes.



HIGH PURITY

Up to 99.999% hydrogen purity



SAFE & RELIABLE

Equipped with anti-return device and liquid reflux protection



STABLE OUTPUT

Stable flow rate and pressure for consistent performance



EASY OPERATION

Simple control, LED display and low maintenance

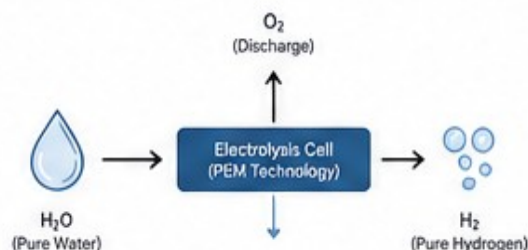


EFFICIENT COOLING

Advanced heat dissipation system for long-term durability

WORKING PRINCIPLE

ROX GHX-300 uses advanced electrolysis technology with a Proton Exchange Membrane (PEM) and high-efficiency electrolytic cell to produce pure hydrogen from deionized water.



ABOUT ROXWELL INSTRUMENTS

ROXWELL INSTRUMENTS is dedicated to delivering innovative and reliable instruments for analytical, medical and industrial applications. Our mission is to provide solutions that ensure precision, safety and efficiency in every laboratory.



INNOVATION



QUALITY



RELIABILITY



SERVICE



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SPECIFICATIONS

PARAMETER	SPECIFICATION
Hydrogen Purity	99.999%
Output Pressure	0 ~ 0.3 MPa
Output Flow Rate	0 ~ 300 / 500 mL/min
Maximum Power	120 W
Supply Voltage	220 V ± 10% 50/60 Hz
Weight	12 kg
Exterior Dimensions (W × D × H)	400 × 210 × 390 mm
Water Quality Requirement	Deionized water (Resistivity ≥ 1 MΩ·cm)
Operating Environment	Temperature: 5 ~ 40 °C Humidity: ≤ 85% RH
Start-up Time	< 5 minutes
Noise Level	< 55 dB
Interface	Standard gas outlet: 1/8" or 1/4" tube fitting

* Specifications are subject to change without prior notice.

APPLICATIONS



Gas Chromatography (GC)

Carrier gas for GC-FID, GC-TCD, GC-NPD and other GC detectors.



Laboratory Analysis

Used in analytical instruments requiring stable and pure hydrogen.



Medical & Healthcare

Suitable for medical equipment, hydrogen inhalation and related applications.



Research & Development

Ideal for universities, research institutes and scientific laboratories.



Industrial Applications

Applicable in fuel cell testing, semiconductor industry and special process environments.

ADVANTAGES



Système de dissipation thermique efficace

La chaleur générée est efficacement dissipée pour maintenir une température de fonctionnement stable et prolonger la durée de vie de l'équipement.



Système de drainage pratique

Conçu avec un système de drainage pour un retrait facile et rapide des électrolytes et autres impuretés.



Dispositif de reflux de liquide intégré

Empêche efficacement le retour de liquide et protège l'instrument contre la surpression.



Haute qualité de gaz

Hydrogène de haute pureté, sec et stable, adapté aux instruments de précision.



Utilisation et maintenance simplifiées

Conception conviviale pour réduire les opérations de maintenance et améliorer l'efficacité.



SAFETY FIRST

Equipped with multiple safety protections including overpressure protection, anti-return device and automatic shut-down to ensure safe operation.