

Hydrogen generator

TH-300



Generator Introduction:

- TH-300 series model hydrogen generator, has been in market for more than 10 years.
- Stable quality with competitive are welcomed by customers.
- TH-300 High Purity Hydrogen Generator employs the latest technology to satisfy various models of gas chromatographs, which are manufactured by domestic and abroad manufacturers.
- Its pressure control adopts high sensitive fuzzy control and automatic hacking system to make the precision range of the pressure stability less 0.001 MPa.
- Its electrolytic cell utilizes Solid Phase Electrolyte (SPE) technology and process multi-stage purification.
- The hydrogen purity can be reached up to: oxygen content ; less 3ppm, water content dew point temperature :-56C.
- Program control: The specialized chip is used in the control system of the instrument. All working process of the instrument will be completed by the program control. The automatic constant voltage, constant current and hydrogen flow can be automatically adjusted according to the requirements.
- Please change the de-ionized water every 1,000 hours!

- 300 ml/min is the maximum flow, please DO NOT over 150 ml/min for long time use, otherwise it maybe shorten the service life!
- While electrolyzing, water is separated into H₂ and O₂.
- It is safety to operate, has flow and pressure display, hydrogen gas flow and pressure are auto-self Control by programs.
- Gas is produced on demand.
- There are two choices for H₂ output pressure (4bar and 6bar).
- The conductivity of the de-ionized water should be LESS THAN 0.5 μs/cm.
- The instrument has water level automatic safety device.

TH-300 Characteristics:

- Smart size, **only 14kgs weight**, compact structure, greatly save space.
- Pressure and H₂ flow rate display, auto stable pressure, stable flow rate, H₂ flow could 100% adjustable on demand.
- Have safety system, sensitive, automatically protection alkali return.
- One level purification.

Technical Data:

Model	TH - 300
Hydrogen purity	99.999 %
Hydrogen flow	0-300 ml/min
Output pressure	0-4Kg/cm ² (about 0.4Mpa)
Power supply	AC230V, 50Hz
Consumption power	150W
Ambient temperature	1-40°c
Relative humidity	< 85%
Outer dimension	400 X 360 X 220 mm
Wbight	About 14Kg