What is claimed is:

1. A hydrogen water generator with warning function, comprising:

a container, comprising a case having an opening and a cover configured on the opening, the case forming a containing space to contain water, the container having a transparent outer wall;

a handle, configured on the case of the container for a user to hold;

a gas input port, configured on the container to receive a gas comprising hydrogen from the outside of the container;

a diffusing pipe, configured in the containing space and coupled to the gas input port to receive the gas comprising hydrogen, a part of the diffusing pipe being configured in the water of the containing space, and a pipe wall of the diffusing pipe having a plurality of holes, the gas comprising hydrogen passing from the diffusing pipe into the water of the containing space through the holes to generate a hydrogen water and a humidified gas comprising hydrogen;

a gas output port, configured on the container to receive the humidified gas comprising hydrogen from the containing space and output the humidified gas comprising hydrogen to the outside of the container;

a water port, configured on the container to output the hydrogen water of the containing space to the outside of the container; and

a luminous component configured to emit light toward the containing space;

wherein, the emitted light of the luminous component is emitted from the container through the transparent outer wall, so that transparent outer

wall of the container shows a first color light under a normal state of the hydrogen water generator and shows a second color light under an abnormal state of the hydrogen water generator.

2. The hydrogen water generator of claim 1, wherein the luminous component is a LED, the LED shows the first color light under the normal state of the hydrogen water generator and shows the second color light under the abnormal state of the hydrogen water generator.

3. The hydrogen water generator of claim 1, wherein the gas input port, the gas output port and the water port are configured on the cover.

4. The hydrogen water generator of claim 1, further comprising a water cover detachably covering on the water port, the water cover comprising a cover sheet and a connecting strip.

5. The hydrogen water generator of claim 1, wherein the diffusing pipe further comprises a plurality of micro filters corresponding to the holes respectively, the micro filters are configured to filter the gas comprising hydrogen passing through the holes, and the gas comprising hydrogen forms a plurality of micro gas bubbles after entering into the water of the containing space through the holes.

6. The hydrogen water generator of claim 1, further comprising a hydrogen concentration detecting device configured to detect whether a hydrogen concentration of the outside of the container is higher than a preset hydrogen concentration, the container showing the first color light when the hydrogen concentration is lower than the preset hydrogen concentration, and the container showing the second color light when the hydrogen concentration is higher than the preset hydrogen concentration.

7. A hydrogen gas generating system, comprising:

a hydrogen gas generating device, configured to generate a gas comprising hydrogen;

a display device comprising a case, the case having a transparent outer wall;

a hydrogen gas detecting device, configured to detect whether a hydrogen concentration is higher than a preset hydrogen concentration; and

a warning device coupled to the hydrogen gas detecting device and configured to cause the case to show a first color light through the transparent outer wall under a normal state of the hydrogen gas generating system, and show a second color light through the transparent outer wall under an abnormal state of the hydrogen gas generating system.

8. The hydrogen gas generating system of claim 7, wherein the warning device is a LED luminous component configured on the hydrogen gas generating device, the LED luminous component causes the case to show the first color light when the hydrogen concentration detected by the hydrogen gas detecting device is lower than the preset hydrogen concentration, and the LED luminous component generates a warning signal to cause the case to show the second color light when the hydrogen concentration detected by the hydrogen gas detecting device is higher than the preset hydrogen concentration.

9. The hydrogen gas generating system of claim 7, wherein the display device is a hydrogen water generator having the case, the case forms a containing space to contain water, and the case is detachably configured on the hydrogen gas generating device, the hydrogen water generator further comprises:

a handle, configured on the case for a user to hold;

a gas input port, configured on the case to receive the gas comprising hydrogen from the hydrogen gas generating device;

a diffusing pipe, configured in the containing space and coupled to the gas input port to receive the gas comprising hydrogen, a part of the diffusing pipe being configured in the water of the containing space, and a pipe wall of the diffusing pipe having a plurality of holes, the gas comprising hydrogen passing from the diffusing pipe into the water of the containing space through the holes to generate a hydrogen water and a humidified gas comprising hydrogen;

a gas output port, configured on the case to receive the humidified gas comprising hydrogen from the containing space and output the humidified gas comprising hydrogen to the outside of the case; and

a water port, configured on the case to output the hydrogen water to the outside of the case.

10. The hydrogen gas generating system of claim 7, wherein the hydrogen gas detecting device is configured in the hydrogen gas generating device to detect whether the hydrogen concentration in the hydrogen gas generating device is higher than the preset hydrogen concentration, the warning device generates a warning signal to cause the case to show the second color light when the hydrogen concentration detected by the hydrogen gas detecting device is higher than the preset hydrogen concentration.

11. The hydrogen gas generating system of claim 7, wherein the hydrogen gas detecting device is configured outside of the hydrogen gas generating device, the hydrogen gas detecting device is coupled to the hydrogen gas generating device by wireless transmission to detect whether the

hydrogen concentration around the hydrogen gas generating device is higher than the preset hydrogen concentration, the warning device generates a warning signal to cause the case to show the second color light when the hydrogen concentration detected by the hydrogen gas detecting device is higher than the preset hydrogen concentration.

12. The hydrogen gas generating system of claim 7, further comprising a plurality of associated hydrogen gas generating devices, each of associated hydrogen gas generating devices comprising an associated case and an associated warning device, wherein the associated warning device is coupled to the associated case of the associated hydrogen gas generating device, the hydrogen gas detecting device is coupled to the associated hydrogen gas generating devices by wireless transmission, when the hydrogen concentration around the hydrogen gas generating device or the hydrogen concentration around the associated hydrogen gas generating devices detected by the hydrogen gas detecting device is higher than the preset hydrogen concentration, the warning device and the associated warning devices cause the case and the associated cases to show the second color light respectively.

13. The hydrogen gas generating system of claim 7, wherein the warning device is a sound generating component configured to generate a warning sound as a warning signal when the hydrogen concentration detected by the hydrogen gas detecting device is higher than the preset hydrogen concentration.

14. The hydrogen gas generating system of claim 7, wherein the hydrogen gas generating device further comprises a capacitive water level meter configured to detect the water level of the water contained in the container of the hydrogen water generator when the container is configured on the hydrogen gas generating device.

15. The hydrogen gas generating system of claim 14, wherein the hydrogen gas generating device further comprises a controlling module connected to the capacitive water level meter, the capacitive water level meter comprises a high water level sensor and a low water level sensor, when the container is detached from the hydrogen gas generating device to cause the high water level sensor and the low water level sensor unable to detect a high water level and a low water level of the container, the controlling module controls the hydrogen gas generating device to stop for generating the gas comprising hydrogen.

16. The hydrogen gas generating system of claim 7, wherein the hydrogen gas generating device further comprises:

a water tank, configured for containing a water;

an electrolysis module, fluidly coupled to the water tank and configured to electrolyze the water to generate the gas comprising hydrogen;

an integrated passageway module, vertically configured above the water tank and connected to the water tank to receive the gas comprising hydrogen;

a condensing and filtering module, coupled to the integrated passageway module to receive and filter the gas comprising hydrogen from the integrated passageway module; and

a humidifying module, vertically configured above the water tank and located between the water tank and the integrated passageway module, the humidifying module being coupled to the integrated passageway module to receive and humidify the filtered gas comprising hydrogen.

17. The hydrogen gas generating system of claim 16, wherein the condensing and filtering module has a condensing flow channel, the condensing and

filtering module is detachably configured in the integrated passageway module to receive the gas comprising hydrogen from the integrated passageway module and filter the gas comprising hydrogen in the condensing flow channel.

18. The hydrogen gas generating system of claim 16, wherein the hydrogen gas generating device further comprises a nebulizer coupled to the integrated passageway module to receive the humidified gas comprising hydrogen from the integrated passageway module, the nebulizer is configured to generate an atomized gas and mix the atomized gas with the gas comprising hydrogen to form and output a health gas.

19. The hydrogen gas generating system of claim 7, wherein the hydrogen gas generating device further comprises a heat dissipater disposed on a lateral side of the water tank, the heat dissipater comprises a water inlet tube, a water outlet tube and a tubular structure coupled to the water inlet tube and the water outlet tube, the water inlet tube is coupled to an upper portion of a lateral sidewall of the water tank and the water output tube is coupled to a lower portion of the later sidewall of the water tank, the water inlet tube and the water outlet tube are respectively in communication with the internal space of the water tank, so that the heat dissipater allows the electrolyzed water comprising thermal energy in the water tank to flow through the tubular structure for dissipating the heat and rapidly flow back to the water tank after heat dissipating.