

## CS1737D Digital pH Sensor



**Designed for Hydrofluoric acid environment. HF concentration > 1000ppm**

**Easy to connect to PLC, DCS, industrial control computers, general purpose controllers, paperless recording instruments or touch screens and other third party devices.**

The electrode is made of ultra-bottom impedance-sensitive glass film, and it also has the characteristics of fast response, accurate measurement, good stability, and not easy to hydrolyze in the case of hydrofluoric acid environment media. The reference electrode system is a non-porous, solid, non-exchange reference system. Completely avoid various problems caused by the exchange and blockage of the liquid junction, such as the reference electrode is easy to be polluted, reference vulcanization poisoning, reference loss and other problems.

- Double salt bridge design, double layer seepage interface, resistant to medium reverse seepage
- The ceramic pore parameter electrode oozes out of the interface and is not easy to be blocked, which is suitable for monitoring of hydrofluoric acid environmental media.
- High-strength glass bulb design, the glass appearance is stronger.
- The electrode adopts low noise cable, the signal output is farther and more stable
- Large sensing bulbs increase the ability to sense hydrogen ions, and perform well in hydrofluoric acid environment media.

<b>Model No.</b>	<b>CS1737D</b>
<b>Power/Outlet</b>	9~36VDC/RS485 MODBUS RTU
<b>Measure material</b>	Metallic antimony
<b>Housing material</b>	PP
<b>Waterproof grade</b>	IP68
<b>Measurement range</b>	2-12pH
<b>Accuracy</b>	±0.1pH
<b>Pressure resistance</b>	≤0.6Mpa
<b>Temperature compensation</b>	NTC10K
<b>Temperature range</b>	0-80℃
<b>Calibration</b>	Sample calibration, standard liquid calibration
<b>Connection methods</b>	4 core cable
<b>Cable length</b>	Standard 10m cable, can be extended to 100m
<b>Installation thread</b>	NPT3/4"
<b>Application</b>	Hydrofluoric acid > 1000ppm water