

CS1788D Digital pH Sensor



Designed for pure water, low ion concentration environment.

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

Pure water pH electrode

- Using large-area low-resistance sensitive film bulb $\leq 30\text{M}\Omega$ (at 25°C), suitable for usage in ultra-pure water
- Using gel electrolyte and solid electrolyte salt bridge. Pool electrode is composed of two different colloidal electrolytes. This unique technology ensures longer electrode life and reliable stability
- It can be equipped with PT100, PT1000, 2.252K, 10K and other thermistors for temperature compensation
- It adopts advanced solid dielectric and large area PTFE liquid junction. It is not easy to be blocked and easy to maintain.
- The long-distance reference diffusion path greatly prolongs the service life of the electrode in harsh environments.
- The newly designed glass bulb increases the bulb area and prevents the generation of interfering bubbles in the internal buffer, making the measurement more reliable.
- The electrode adopts high-quality low-noise cables, which can make the signal output length longer than 20 meters without interference. Pure water composite electrodes are widely used in circulating water, pure water, RO water and other occasions

Model No.	CS1788D
Power/Outlet	9~36VDC/RS485 MODBUS RTU
Measure material	Glass/silver+ silver chloride; SNEX
Housing material	PP
Waterproof grade	IP68
Measurement range	2-12pH
Accuracy	±0.05pH
Pressure resistance	0~0.6Mpa
Temperature compensation	NTC10K
Temperature range	0-80℃
Calibration	Sample calibration, standard liquid calibration
Connection methods	4 core cable
Cable length	Standard 10m cable, can be extended to 100m
Installation thread	NPT3/4''
Application	Ultra-pure water condition