

## CS1753D Digital pH Sensor



**Designed for strong acid, strong base, waste water and chemical process.**

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

- CS1753D pH electrode adopt the most advanced solid dielectric in the world and large-area PTFE liquid junction. Not easy to block, easy to maintain.
- The long-distance reference diffusion path greatly prolongs the service life of the electrode in harsh environments. With built-in temperature sensor (NTC10K, Pt100, Pt1000, etc. can be selected according to user requirements) and wide temperature range, it can be used in explosion-proof areas.
- The newly designed glass bulb increases the bulb area, prevents the generation of interfering bubbles in the internal buffer, and makes the measurement more reliable. Adopt PPS/PC shell, upper and lower 3/4NPT pipe thread, easy to install, no need for sheath, and low installation cost. The electrode is integrated with pH, reference, solution grounding, and temperature compensation.
- The electrode adopts high-quality low-noise cable, which can make the signal output longer than 20 meters without interference.
- 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 low conductivity and high purity water.

<b>Model No.</b>	<b>CS1753D</b>
<b>Power/Outlet</b>	9~36VDC/RS485 MODBUS RTU
<b>Measure material</b>	Glass/silver+ silver chloride
<b>Housing material</b>	PP
<b>Waterproof grade</b>	IP68
<b>Measurement range</b>	0-14pH
<b>Accuracy</b>	±0.05pH
<b>Pressure resistance</b>	≤0.6Mpa
<b>Temperature compensation</b>	NTC10K
<b>Temperature range</b>	0-60℃
<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>	General application, industrial water, sewage, river, lake,etc