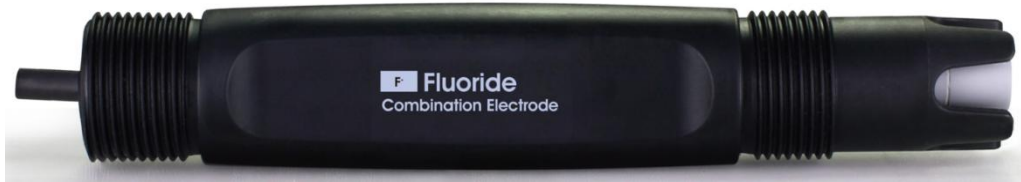


CS6710D Digital Fluoride Ion Selective Sensor



The fluoride ion selective electrode is a selective electrode sensitive to the concentration of fluoride ion, the most common one is the lanthanum fluoride electrode.

Lanthanum fluoride electrode is a sensor made of lanthanum fluoride single crystal doped with europium fluoride with lattice holes as the main material. This crystal film has the characteristics of fluoride ion migration in the lattice holes.

Therefore, it has very good ion conductivity. Using this crystal membrane, the fluoride ion electrode can be made by separating two fluoride ion solutions. The fluoride ion sensor has a selectivity coefficient of 1.

And there is almost no choice of other ions in the solution. The only ion with strong interference is OH^- , which will react with lanthanum fluoride and affect the determination of fluoride ions. However, it can be adjusted to determine the sample pH < 7 to avoid this interference.

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

Product advantages:

- CS6710D Fluoride Ion sensor is solid membrane ion selective electrodes, used to test fluoride ions in water, which can be fast, simple, accurate and economical;
- The design adopts the principle of single-chip solid ion selective electrode, with high measurement accuracy;
- PTEE large-scale seepage interface, not easy to block, anti-pollution Suitable for wastewater treatment in the semiconductor industry, photovoltaics, metallurgy, etc. and pollution source discharge monitoring;
- High-quality imported single chip, accurate zero point potential without drift ;

Model No.	CS6710D
Power/Outlet	9~36VDC/RS485 MODBUS
Measuring material	Solid film
Housing material	PP
Waterproof rating	IP68
Measurement range	0.02~2000mg/L
Accuracy	±2.5%
Pressure range	≤0.3Mpa
Temperature compensation	NTC10K
Temperature range	0-80℃
Calibration	Sample calibration, standard liquid calibration
Connection methods	4 core cable
Cable length	Standard 10m cable or extend to 100m
Mounting thread	NPT3/4''
Application	Tap water, industrial water, etc.