

**WSPH3001** is an antimony pH sensor with relatively sturdy and corrosion resistant properties. It allows for use in water bodies containing hydrofluoric acid.

The pH sensor detects the concentration of H<sup>+</sup> ions present in the water body and converts this electrochemical current into a voltage. This is then converted to pH readings via a pH meter

### Applications

Continuous monitoring of pH values in wastewater treatment of

- semiconductors industries
- iron and steel industries

### Features

- It adopts the world-class solid dielectric and a large area of PTFE liquid for junction, difficult to block and easy to maintain
- Long-distance reference diffusion channel greatly extends the service life of electrodes in the harsh environment.
- There is no need for refilling of electrolyte, therefore maintenance is low.
- High accuracy, fast response and good repeatability



### Technical Specification

Specification	
Measuring range	0~14.00 pH
Temperature	0~60 °C
Pressure	0~6 Bar
Material	PPS/PC
Sensing Material	Antimony
Installation	Upper & Lower ¾ NPT
Cable Length	5 meters (Can be modified)
Connection	Low-noise cable goes out directly
Sensor Length	120, 150, 210, 260, 320 mm

#### Note:

The antimony-sensitive film is used for the industries corrosive to the glass. But there are also limitations. If the measured water contains antimony or may react with antimony to produce complex ions, the pH sensor should **not be used**.

Keep the antimony electrode surface clean; if necessary, use fine sandpaper to polish the surface of antimony.