



## CS526-L

Digital ISFET pH Sensor



## More Durable, Safer

Elimination of glass bulb for  
longer time in field

### Overview

The CS526 isolated pH probe makes reliable, accurate pH measurements in aqueous solutions. It can be submersed or

inserted into tanks, pipelines, and open channels. This probe has a serial, TTL output that represents a 2 to 12 pH range.

### Benefits and Features

- › Innovative ISFET pH-sensing element
- › Easily cleaned
- › More rugged than the traditional glass electrode pH probes
- › Each sensor individually tested
- › Designed and manufactured under stringent quality control conditions in an ISO 9001 environment
- › CE compliant

### Detailed Description

The CS526 uses SENTRON's high-tech, ion sensitive field effect transistor (ISFET) semiconductor as its pH-sensitive element, and includes a silver/silver chloride– potassium chloride reference system. The CS526's design allows it to be suitable for a variety of liquid pH-monitoring applications. The electronics are safely embedded in a durable PEEK body. Elimination of the glass bulb removes the possibility of broken glass, making the CS526 more rugged and safer to use.

**Note:** Campbell Scientific warranty does not cover a clogged reference diaphragm or improperly cleaned or maintained ISFET chip. (See the Maintenance section in the instruction manual for more information.)

This sensor requires the 5 V output on the data logger to be powered..

### Specifications

pH Range	2 to 12
Power Requirements	5 Vdc

Current Consumption	15 mA (maximum)
Accuracy	±0.2 pH (over 10° to 40°C)

Operating Temperature Range	10° to 40°C
Output	<ul style="list-style-type: none"> <li>› no parity</li> <li>› 1 stop bit</li> <li>› 8 data bits</li> <li>› 2400 bps</li> <li>› Serial TTL logic</li> </ul>
24 h Drift	< 0.15 pH (after 15 min. soak in pH 7 at 25°C)
Allowed Water Pressure	0 to 700 kPa (0 to 101.5 psi)

Cable Type	Three-twisted pair, 24 AWG cable with Santoprene jacket
Sensor Material	Polyetheretherketone (PEEK)
Maximum Cable Length	100 m (328 ft)
Diameter	16 mm (0.63 in.)
Length	102 mm (4 in.)
Weight	318 g (11.2 oz) with 3.05 m (10 ft) cable

For comprehensive details, visit: [www.campbellsci.com/cs526](http://www.campbellsci.com/cs526) 



Campbell Scientific, Inc. | 815 W 1800 N | Logan, UT 84321-1784 | (435) 227-9120 | [www.campbellsci.com](http://www.campbellsci.com)  
 AUSTRALIA | BRAZIL | CANADA | CHINA | COSTA RICA | FRANCE | GERMANY | THAILAND | SOUTH AFRICA | SPAIN | UK | [USA](#)