



CS526-L

Digital ISFET pH Probe



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.)

Specifications

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| pH Range | 2 to 12 |
| Power Requirements | 5 Vdc |
| Current Consumption | 15 mA (maximum) |

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| Accuracy | ±0.2 pH (over 10° to 40°C) |
| Operating Temperature Range | 10° to 40°C |

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| Output | <ul style="list-style-type: none"> › no parity › 1 stop bit › 8 data bits › 2400 bps › Serial TTL logic |
| 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) |

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| 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 

