CAMPBELL SCIENTIFIC
WHEN MEASUREMENTS MATTER

CS526
Digital ISFET pH Probe

More Durable, Safer

Innovative ISFET pH-sensing element

Overview

The CS526 probe measures pH using state-of-the-art ISFET technology. There is no glass bulb to break, making the probe safer and more rugged. The probe is easy to clean, and can be stored dry.

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

Technical 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	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)
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

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