

# Analog pH sensor Ceragel CPS71

## Glass electrode for food and life sciences industries



More information and current pricing:

[www.ch.endress.com/CPS71](http://www.ch.endress.com/CPS71)

### Benefits:

- Suitable for CIP/SIP and autoclaving maintaining high accuracy
- Sensor resists strong acids and bases and high organic loads
- Certified biocompatibility, no cytotoxicity
- Free from animal-based materials and from acrylamide

### Specs at a glance

- **Measurement range** pH 0-14
- **Process temperature** -15°C ... 140°C (5°F - 284°F)
- **Process pressure** max. 13 bar (188 psi)

**Field of application:** Ceragel CPS71 is the analog specialist for pH measurement in sterile and hygienic applications. Its state-of-the-art gel is poison resistant and guarantees stable measurement even in flowing media or low conductivity. The sensor is sterilizable, autoclavable and non-toxic assuring highest safety of your products.

## Features and specifications

pH

### Measuring principle

Potentiometric

### Application

Hygienic and sterile applications, process

pH

**Characteristic**

- resistant against reference poisoning - CIP/SIP and autoclavable - high accuracy - biocompatibility of the gel inside - version upside-down installation available - pressurized reference (6 bar) available

**Measurement range**

pH 0-14

**Measuring principle**

- ceramic diaphragm - ion-trap

**Design**

- All shaft lengths with temperature sensor - Memosens - advanced gel technology

**Material**

glass / ceramic

**Dimension**

Diameter: 12mm (0.46inch)

Shaft lengths: 120, 225, 360 and 425 mm  
(4.68, 8.77, 14.04 and 16,57 inch)

**Process temperature**

-15°C ... 140°C  
(5°F - 284°F)

**Process pressure**

max. 13 bar  
(188 psi)

**Temperature sensor**

optional with integrated Pt100 or Pt1000

**Ex certification**

Simple operational equipment, no certification necessary.

**Connection**

TOP68 connection head

pH

**Ingres protection**

IP 68

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**Additional certifications**

3A, biocompatibility

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