# Analog pH sensor Ceragel CPS71

## Glass electrode for food and life sciences industries



**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

**Ingress protection**

IP 68

**Additional certifications**

3A, biocompatibility

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