Analog pH sensor Ceragel CPS71

Glass electrode for food and life sciences industries

More information and current pricing:
www.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

- **Measuring 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

Measuring 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

More information **www.endress.com/CPS71**

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