

Analog non-glass pH sensor Tophit CPS471

ISFET electrode for food and life sciences industries



Thông tin thêm và mức tính giá hiện tại:

www.apsc.endress.com/CPS471

Lợi ích:

- Unbreakable for highest product safety
- Certified biocompatibility
- Suitable for sterilization and autoclaving
- Low maintenance thanks to long calibration intervals

Tổng quan về thông số kỹ thuật

- **Measurement range** pH 0-14
- **Process temperature** -15°C ... 135°C (5°F - 275°F)
- **Process pressure** max. 10 bar/100°C (145 psi/212°F)

Phạm vi ứng dụng: Tophit CPS471 is the analog specialist for sterile and hygienic applications. Its state-of-the-art gel is contamination resistant and guarantees stable measurement for a solid process database. The sensor is sterilizable and autoclavable and features an unbreakable PEEK shaft assuring highest safety of your products.

Tín năng và thông số kỹ thuật

pH

Measuring principle

ISFET

Application

- Hygienic and sterile applications - non-glass, break-proof - low temperatures - pharmaceuticals, biotechnology - contaminating media

pH

Characteristic

- gel-compact electrode - SIP and autoclavable - rapid response at low temperature - lower amount of maintenance required than with glass - biocompatible gel inside (acryle and polyacrylamide free)- overhead installation

Measurement range

pH 0-14

Measuring principle

Ceramic diaphragm, double chamber reference, double gel

Design

- all shaft lengths with temperature sensor - advanced gel technology

Material

PEEK / metal oxide / ceramic / EPDM

Dimension

Diameter: 12 mm (0.47 inch)
Shaft lengths: 120, 225, 360, 425 mm
(4.72/8.86/14.2/16.7 inch)

Process temperature

-15°C ... 135°C
(5°F - 275°F)

Process pressure

max. 10 bar/100°C (145 psi/212°F)

Temperature sensor

Optional with integrated Pt1000

Ex certification

ATEX
FM

Connection

TOP68 connection head

pH

Ingres protection

IP68

Additional certifications

EHEDG, 3A, biocompatibility

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