Analog non-glass pH sensor Tophit CPS491

ISFET electrode for heavily polluted media in chemical processes, paper or paint production

More information and current pricing:
www.au.endress.com/CPS491

Benefits:

- Unbreakable for highest product safety
- Open aperture for application in heavily soiled media
- Application possible at low temperatures
- Low maintenance thanks to long calibration intervals

Specs at a glance

- **Measurement range** pH 0-14
- **Process temperature** max. 110°C (230°F)
- **Process pressure** max. 10 bar (145 psi)

Field of application: Tophit CPS491 is the analog specialist for fibrous media or media with a high content of suspended solids such as dispersions, precipitation reactions or emulsions. Its unbreakable shaft ensures a long operating life while the open aperture prevents fouling and guarantees reliable measurement under harsh process conditions.

Features and specifications

pH

Measuring principle
ISFET

Application
- process applications - non-glass, break-proof - low temperatures - min. conductivity >500µS/cm - emulsions, suspensions, organic solvents

pH

Characteristic
- rapid response at low temperatures - stabilised gel insensitive to contamination - lower amount of maintenance required than with glass - overhead installation

Measurement range
pH 0-14

Measuring principle
- open aperture - double gel reference

Design
- all shaft lengths with temperature sensor - advanced gel technology

Material
PEEK / metal oxide / Perfluorelastomere

Dimension
Diameter: 12 mm (0.46 inch)
Shaft lengths: 120, 225, 360 and 425 mm
(4.68,8.77,14.04 and 16,57 inch)

Process temperature
max. 110°C
(230°F)

Process pressure
max. 10 bar
(145 psi)

Temperature sensor
Optional with integrated Pt1000.

Ex certification
ATEX
FM

Connection
Top68 connection head

pH

Ingres protection
IP68

More information **www.au.endress.com/CPS491**

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