

Analog pH sensor Ceratrix CPS31

Glass electrode for application in drinking water and swimming pools



More information and current pricing:

www.de.endress.com/CPS31

Benefits:

- Reliable measurement at minimum conductivity thanks to three diaphragms
- Low drift by very low level of ion depletion in electrolyte
- Optional salt ring for extended operating time

Specs at a glance

- **Measurement range** pH 1 - 12
- **Process temperature** 0 - 80 C (32 - 176 F)
- **Process pressure** 1 - 4 bar abs (15 - 60 psi)

Field of application: Ceratrix CPS31 is the analog expert for pH compensation in disinfection processes. Its three diaphragms make it suitable for minimum conductivity while its low drift guarantees stable measurement. The sensor makes sure that swimming pool water is agreeable and drinking water tasteful.

Features and specifications

pH

Measuring principle

Potentiometric

Application

Drinking water and swimming pool water, pH compensation to measure free chlorine

Characteristic

Standard applications in water, long lifetime

pH

Measurement range

pH 1 - 12

Measuring principle

Gel filled reference with one or three diaphragms, option saltring

Design

Shaft length 120 mm, with or w/o temperature sensor

Material

Glass / Ceramics

Dimension

Shaft length 120 mm

Process temperature

0 - 80 C (32 - 176 F)

Process pressure

1 - 4 bar abs (15 - 60 psi)

Temperature sensor

None or Pt 100

Ex certification

No

Connection

GSA or Top 68

Ingres protection

IP68

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