Analog pH sensor Ceratex CPS31

Glass electrode for application in drinking water and swimming pools



More information and current pricing:
www.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

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

Field of application: Ceratex 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

Measuring 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

Ingress protection
IP68

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