

# Analog pH sensor Ceratrix CPS31

Glass electrode for application in drinking water and swimming pools



More information and current pricing:

[www.ch.endress.com/CPS31](http://www.ch.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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