

Digital pH sensor Ceragel CPS71D

Memosens glass electrode for the chemical and life sciences industries



More information and current pricing:

www.apsc.endress.com/CPS71D

Benefits:

- Sensor resists strong acids and bases and high organic loads
- Suitable for CIP/SIP and autoclaving maintaining high accuracy
- Free from animal-based materials and from acrylamide
- Maximum process safety through non-contact inductive signal transmission
- Enables predictive maintenance due to storage of sensor and process-specific data
- Reduced operating costs thanks to minimized process downtime and extended sensor lifetime

Specs at a glance

- **Measurement range** pH 0 to 14
- **Process temperature** 0 to 140 °C (32 to 284 °F)
- **Process pressure** 1 to 14 bar (15 to 203 psi)

Field of application: Ceragel CPS71D is the digital specialist for demanding processes and hygienic applications. Its contamination-resistant gel guarantees stable measurement even in flowing media or low conductivity. The sensor measures reliably at high temperatures and is non-toxic assuring highest safety. Ceragel CPS71D is not the latest Memosens generation. To get information on the new Memosens CPS71E sensor with extended functionality, click [here](#) .

Features and specifications

pH

Measuring principle

Potentiometric

Application

Aggressive chemical and hygienic applications, process

Characteristic

Analog, digital pH single-rod measuring cells
For chemical process, hygienic and sterile applications with an ion trap
for poison-resistant reference

Measurement range

pH 0 to 14

Measuring principle

Ceramic diaphragm, ion-trap

Design

All shaft lengths with temperature sensor
Advanced gel technology
Digital electrode with Memosens technology

Material

Glass and ceramic

Dimension

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

Process temperature

0 to 140 °C (32 to 284 °F)

Process pressure

1 to 14 bar (15 to 203 psi)

Temperature sensor

NTC 30k

pH

Ex certification

ATEX, FM, CSA

Connection

Inductive, digital connection head with Memosens technology

Ingres protection

IP68

Additional certifications

3A, biocompatibility

More information www.apsc.endress.com/CPS71D