

Manual or automatic retractable assembly Cleanfit CPA472D

Heavy-duty assembly for chemical and power industries



More information and current pricing:

www.endress.com/CPA472D

Benefits:

- Extremely robust: Suitable for use with pressures of up to 10 bar and temperatures of up to 140° C even as PEEK, PVDF, conductive PVDF versions
- Maximum chemical resistance ensures long operating times
- No process interruption for electrode cleaning and calibration – saves maintenance time and costs
- Flexible adaptation to all applications by great variety of materials and process connections

Specs at a glance

- **Process temperature** 0 to 140 °C (32 to 284 °F)
- **Process pressure** 0 to max. 4 bar (0 to max. 58 psi) overpressure for manual actuation 0 to 10 bar (0 to 145 psi) overpressure for pneumatic actuation

Field of application: The Cleanfit CPA472D assembly is designed for harsh process conditions. It offers a great variety of rugged materials to operate your sensors safely even under high pressure, high temperature or in aggressive media. The assembly allows you to replace sensors without interrupting the process or to clean and calibrate them automatically via the optional control system. Benefit from easy, time-saving sensor handling and an extended operating life of the sensors.

Features and specifications

pH

Measuring principle

Potentiometric

Application

Chemical industry, biodiesel plants, power plants, plant design, tanks, process vats or pipes

Installation

Retractable holder

Characteristic

For tanks and process vats and pipelines or pipes (min. DN80)
The robust retractable assembly permits replacement of the electrode while the tank is full or under process conditions with pressures of up to 6 bar

Design

Manual or pneumatical

Material

Electrode holder, rinse chamber and raised face:
PEEK, PVDF, conductive PVDF, Alloy C22, stainless steel 1.4571
Seals: EPDM, FPM (Viton) or FFKM (Kalrez®)

Dimension

Immersion depth: 146 or 280 mm (5.75 or 7.87 inch)

Process temperature

0 to 140 °C (32 to 284 °F)

Process pressure

0 to max. 4 bar (0 to max. 58 psi) overpressure for manual actuation
0 to 10 bar (0 to 145 psi) overpressure for pneumatic actuation

Connection

Process connections: Flange DN 50, DN 80, ANSI 2", JIS IS10K50A,
internal thread G1¼

ORP / Redox

Measuring principle

Sensor ORP / Redox

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