

# Manual or automatic retractable assembly Cleanfit CPA472D

## Heavy-duty assembly for chemical and power industries



More information and current pricing:

[www.de.endress.com/CPA472D](http://www.de.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

---

**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

---

More information [www.de.endress.com/CPA472D](http://www.de.endress.com/CPA472D)