



Level



Pressure



Flow



Temperature

Liquid  
Analysis

Registration

Systems  
Components

Services



Solutions

## Technical Information

# Cleanfit P CPA472D

Retractable process assembly for pH, ORP and other industry sensors  
Heavy-duty version



### Application

- Chemical industry
- Power plants
- Plant design
- Tanks and process vats
- Pipelines or pipes

This ideal process assembly is available with the following materials in contact with medium: PVDF, conductive PVDF, PEEK, stainless steel 1.4571, Hastelloy and titanium. It can be used with temperatures up to 140 °C (284 °F) at 6 bar (87 psi). 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. In combination with the complete system Topcal S CPC310 you can automatically clean and calibrate the sensors.

### Your benefits

- Service-friendly design
- Outstanding pressure resistance for plastic assemblies
- Outstanding temperature resistance
- Outstanding resistance to chemicals
- Immersion depth suitable for industrial use
- Application at temperatures up to 140 °C (284 °F) at 6 bar (87 psi) or up to 100 °C (212 °F) at 10 bar (145 psi)
- Many materials available

## Ordering information

### Product structure

Drive type and limit contact switches	
A	Manual without limit contact switches
B	Pneumatic without limit contact switches
C	Pneumatic with 2 pneumatic limit contact switches
D	Pneumatic with 2 electric Ex limit contact switches
E	Pneumatic with 1 electric Ex limit contact switch
Assembly version	
1	Service position
2	Service position + measuring position
Electrode type	
A	For gel electrodes / ISFET sensors, 225 mm
B	For gel electrodes, 360 mm
C	For liquid KCl electrodes, 360 mm
Immersion depth	
1	max 148 mm (5.83")
2	max 280 mm (11.02")
Assembly material (in contact with medium)	
B	In contact with medium: PEEK
C	In contact with medium: PVDF
D	In contact with medium: PVDF, conductive
E	In contact with medium: PVDF, electrode holder Hastelloy C4
F	In contact with medium: Hastelloy C4
G	In contact with medium: Titanium
H	In contact with medium: Stainless steel 1.4571; 316Ti
Seal material (in contact with medium)	
2	FPM Viton®
3	FFKM KALREZ®
Process connection	
D	DN 50 flange (acc. to EN 1092), stainless steel
E	DN 80 flange (acc. to EN 1092), stainless steel
F	2" ANSI flange, stainless steel
G	Thread G1 1/4" internal (only with materials F/G/H)
Y	Special version acc. to customer specification
Rinse connection	
1	Without rinse connection
3	With rinse fitting 2 x G 1/4" internal thread
4	With rinse fitting 2 x NPT 1/4" internal thread
5	With rinse fitting 2 x pipe 8x60 mm Swagelok
CPA472D-	complete order code

### Scope of delivery

The scope of delivery comprises:

- Cleanfit CPA472D assembly (ordered version)
- Operating Instructions (English)

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