

Process assembly for pH/Redox measurement *profit CPA 460*

Retractable assembly for one pH or Redox combination electrode



Measurement of pH and Redox value under process conditions using glass electrodes requires assembly systems of the highest quality and reliability. The Profit process assembly ensures a maximum electrode life time, reduced maintenance effort and a reliable and precise measurement even under high pressures and temperatures.

Areas of application

The manually operated retractable assembly Profit CPA 460 allows a pH or Redox combination electrode to be withdrawn under process conditions. Subsequently, the electrode can be cleaned, calibrated or replaced without having to interrupt the process. Combination electrodes with a shaft length of 225 mm are used. The Profit CPA 460 assembly can be employed in all media not containing any coarse or fibrous material.

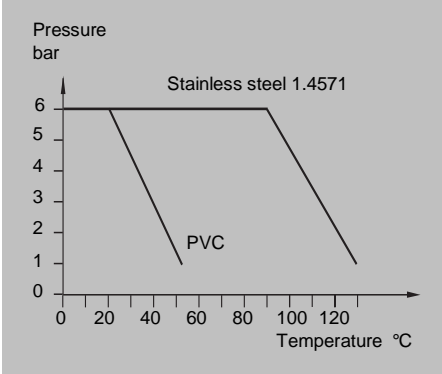
Benefits at a glance

- The electrode can be installed, removed and calibrated without process interruption
- Insertion and retraction of electrode by turning the adapter ring
- The electrode is sealed off by means of the integrated protective guard
- The assembly is installed in a built-in adapter DN 25
- Available in two different materials: PVC and stainless steel 1.4571
- For a 225 mm long gel-filled pH or Redox combination electrode
- Installation of electrode via Pg 13.5 thread

Description

The Probit CPA 460 can be used in pressures up to 6 bar and temperatures up to 90 °C with stainless steel versions, or 6 bar and 20 °C with PVC versions.

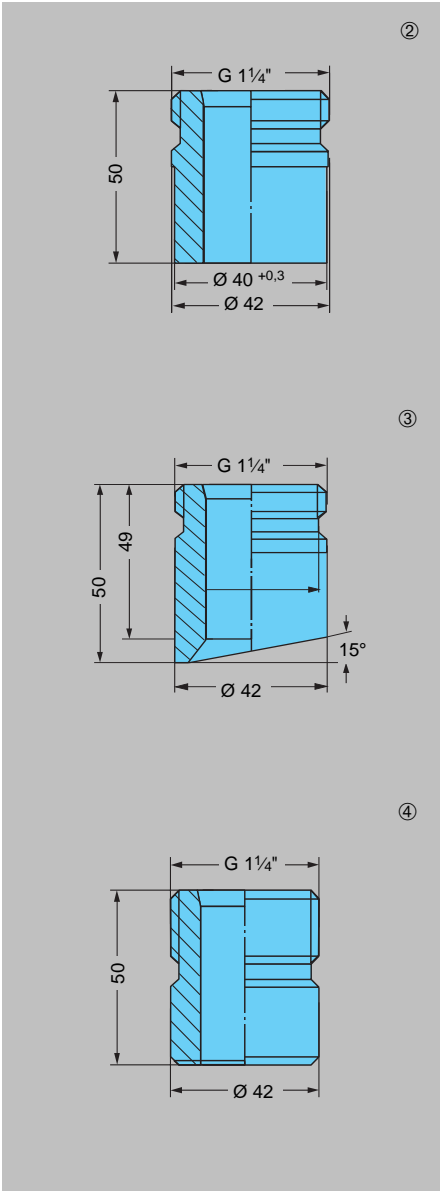
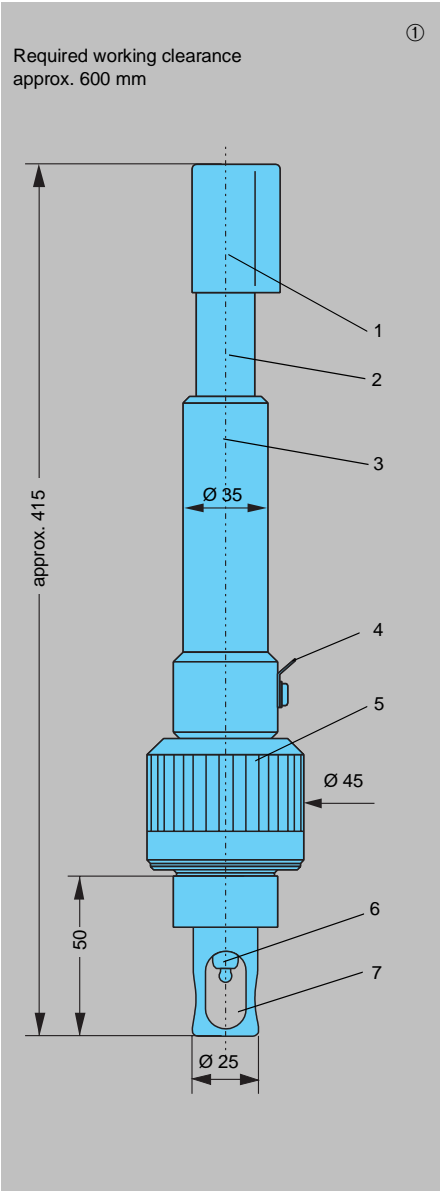
Pressure and temperature stability
Probit CPA 460



Dimensions and built-in adapters

- ① Dimensioned drawing
Probit CPA 460
- 1 Splash protection cover with cable entry
- 2 Protective sleeve
- 3 Shaft
- 4 PM connection
- 5 Union nut M 50x2
- 6 Electrode L=225mm
- 7 Protective guard

- ② Built-in adapter straight
Material: PVC
- ③ Built-in adapter oblique
Material: PVC, Stainless steel 1.4571
- ④ Built-in adapter straight
Material: stainless steel 1.4571



Technical data

Materials in contact with the medium		
Electrode holder	PVC, stainless steel 1.4571	
O-rings	EPDM	
Shaft material	Noryl	
Union nut M 50 x 2	PVDF	
Protective guard	screw-in, PVC, stainless steel 1.4571	
Installation version		
Built-in adapter	straight/oblique (PVC, stainless steel 1.4571)	
Operating pressure and temperature		
PVC version	6 bar at 20 °C	
	0 bar at 50 °C	
Stainless steel version	6 bar at 80 °C	
	0 bar at 130 °C	
Electrode installation	via Pg 13.5 threads	
Electrode shaft length	225 mm, diameter 12 mm	
Weight	approx. 1 kg	

Accessories

Built-in adapter DN 25, straight or oblique

Material: PVC, stainless steel 1.4571

Dummy plug

Material: stainless steel 1.4571

Protective guard

Material: PVC, stainless steel 1.4571, screw-in

pH or Redox combination electrode

Orbisint CPS 11/12

Connection cable

CPK 1 for pH/Redox combination electrodes

CPK 7 for pH/Redox combination electrodes with integrated Pt 100

How to order

pH retractable assembly probfit CPA 460

O-ring / body

11 EPDM / PVC

13 EPDM / stainless steel 1.4571

Mounting method

A Without built-in adapter

B Adapter PVC / DN 25, G 1¼" straight

C Adapter PVC / DN 25, G 1¼" oblique

F Adapter 1.4571 / DN 25, G 1¼" straight

G Adapter 1.4571 / DN 25, G 1¼" oblique

Y Special mounting

CPA 460-

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← complete order code

Supplementary documentation

- ☐ Technical Information
Orbisint CPS 11/12/13
TI 028C/07/e

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Der Umwelt zuliebe,
chlorfrei gebleichtes Papier



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Nothing beats know-how

