

# pH / Redox measurement *DipFit W CPA 530*

## Suspended assembly with bayonet lock-mounted electrode holder Installation in DN 50 adapters



The DipFit W family of assemblies is universally suitable for use in water and waste water treatment systems.

The bayonet mounting method used for the electrode holder not only allows a combined pH or Redox electrode to be held; it also allows you to install a conductivity sensor (Smartec).

### Benefits at a glance

- Assembly to hold a combined pH or Redox electrode
- Dirt-resistant bayonet lock with double O-ring seal
- Electrode holder removal without tools
- Suitable for standard combination electrodes with Pg 13.5 thread
- Flange with pressure-water-tight cable gland
- Ingress protection IP 68
- PVC hose provides additional protection for measuring cable
- Electrode can be replaced without detaching the pressure-tight cable gland
- Can be used at depths of up to 10 m
- Available in three different mounting versions:
  - DN 50 flange, PN 10
  - Union nut and DN 50 flange
  - Oval flange and mounting plate

### Areas of application

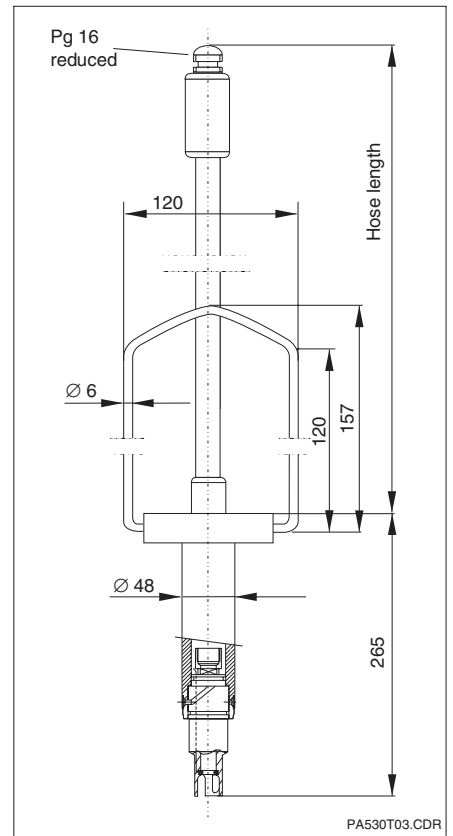
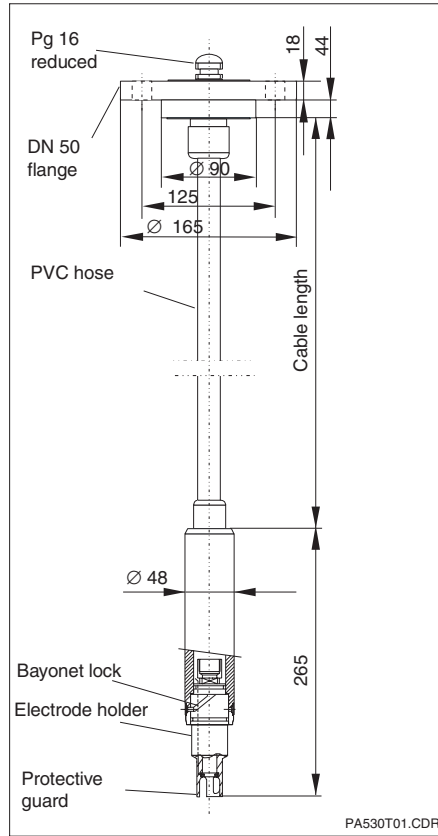
- In conduits, ducts or tall tanks
- Wherever the clearance between container and ceiling precludes the use of a long, rigid assembly
- Whenever the assembly is not directly accessible



# Installation and dimensions

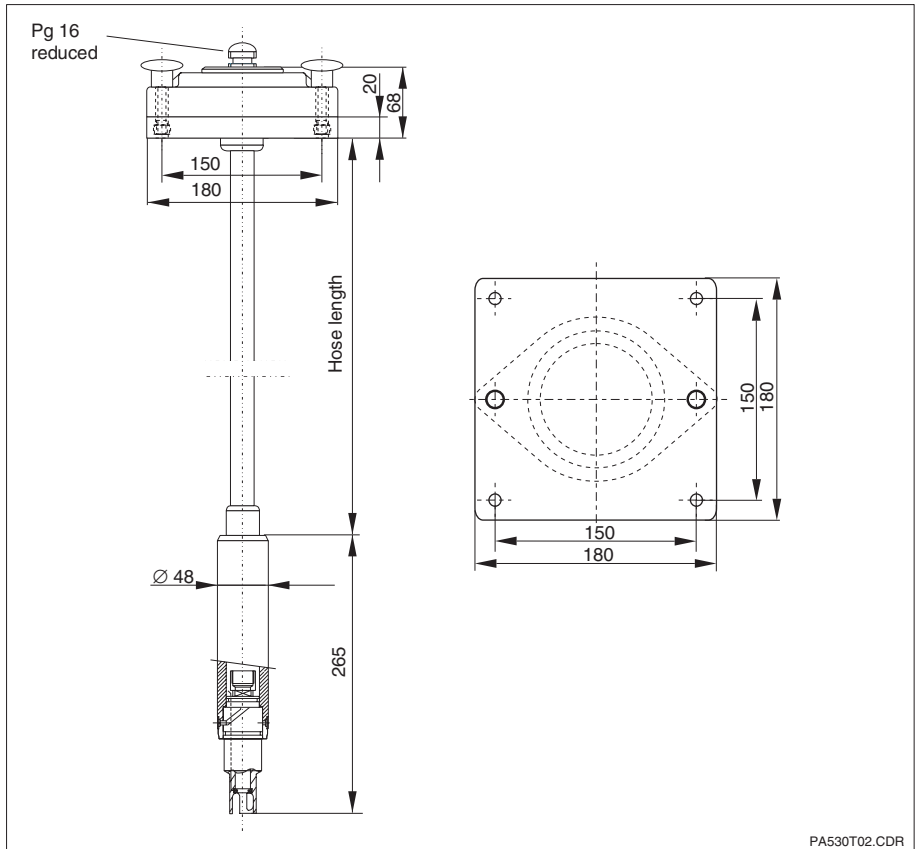
left:  
CPA 530 with flange

right:  
CPA 530 with  
mounting bracket



left:  
CPA 530 mit  
oval flange

right:  
mounting plate



## Technical data

<b>General data</b>	Manufacturer	Endress+Hauser
	Designation	DipFit W CPA 530
<b>Mounting method</b>	Flange	DN 50, PN 10
	Union nut with flange	DN 50, PN 10
	Oval flange with mounting plate	
	Mounting bracket	
<b>Materials in contact with medium</b>	Immersion tube (bayonet with holder)	PVC, titanium
	Electrode holder	PPS
	Flange, oval plate	PVC, UP-GF
	Protective hose	PVC
	O-rings	EPDM, Viton
	Potential matching pin	Hastelloy C4
<b>Operating data</b>	Operating pressure and temperature	max. 3 bar (20 °C)
	with oval flange and mounting plate	unpressurized up to + 50 °C
<b>Mechanical data</b>	Hose length	max 10 m
	Required installation diameter	DN 50
	Weight	approx. 2 up to 2,5 kg

## Accessories

- ❑ Electrodes
  - pH combination electrode measuring range pH 1 to pH 12, up to 6 bar, 0 ... +80 °C  
order-no.: CPS 11-1 AA 2 GSA
  - pH combination electrode above but with integrated temperature sensor Pt 100  
order-no.: CPS 11-2 AA 2 TSA
  - Redox combination electrode with platinum surface, measuring range up to 6 bar, 0 ... +130 °C  
order-no.: CPS 12-0 PA 2 GSA
- ❑ Measuring cable
  - CPK 1: for pH or Redox combined electrodes
  - CPK 7: for pH combined electrodes with integrated temperature sensor Pt 100
- ❑ Mounting devices for basin rim attachment  
order-no.: 50066561
- ❑ Applications with a built-in agitator require a support pipe to stabilize the freely suspended assembly (min. DN 50).

# How to order

## DipFit W CPA 530

### Length of PVC hose

- 0 5 m
- 1 1 - 10 m (please indicate below)

### O-Ring / assembly material

- 11 EPDM / PVC
- 21 Viton / PVC

### Mounting method

- 1 DN 50 flange
- 3 Oval flange an mounting plate
- 5 Suspension bracket, material: stainless steel 1.4571

CPA530-      complete order code

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**Endress + Hauser**  
Nothing beats know-how

