

KA01632O/98/A2/01.22-00  
71684376



### General Information

This document contains information that you need in order to mount and install your product.

This document does not substitute the instruction manual.

For full information on the product, refer to the instruction manual and further documentation on the Internet at [www.pepperl-fuchs.com](http://www.pepperl-fuchs.com).

For specific device information such as the year of construction, scan the QR code on the device. As an alternative, enter the serial number in the serial number search at [www.pepperl-fuchs.com](http://www.pepperl-fuchs.com).

### Note

Further information is available on the product detail page of the device on the Internet at [www.pepperl-fuchs.com](http://www.pepperl-fuchs.com). Enter the order designation in the search field → Select the appropriate device → Open the product detail page → Open the **Product Documentation** tab.

### Target Group, Personnel

Responsibility for planning, assembly, commissioning, operation, maintenance, and dismantling lies with the plant operator.

The personnel must be appropriately trained and qualified in order to carry out mounting, installation, commissioning, operation, maintenance, and dismantling of the device. The trained and qualified personnel must have read and understood the instruction manual.

Prior to using the product make yourself familiar with it. Read the instruction manual carefully.

### Intended Use

The device is only approved for appropriate and intended use. Ignoring these instructions will void any warranty and absolve the manufacturer from any liability.

Only use the device in the industrial location.

The device is a hydrostatic pressure sensor for measuring the level of fresh water, wastewater and salt water.

Use the device only within the specified ambient and operating conditions.

Only use the device in media to which the process-contacting materials of the device are sufficiently resistant.

### Improper Use

Protection of personnel and the plant is not ensured if the device is not used according to its intended use.

## Mounting

**Note**  
For more information on dimensions, refer to the Technical Information.

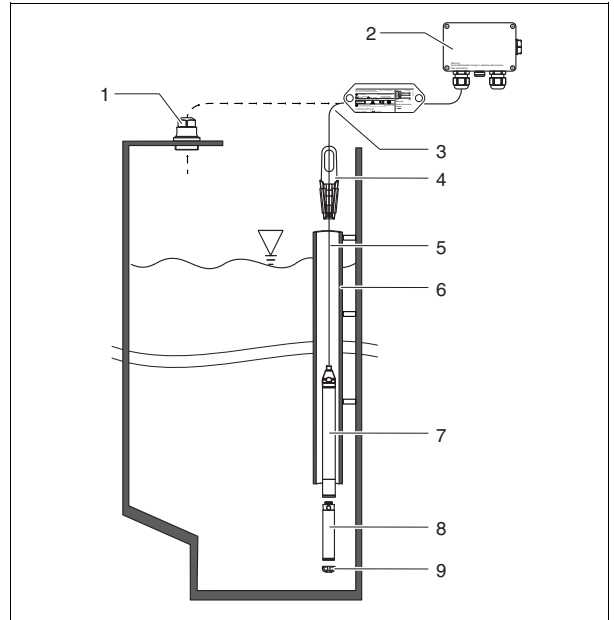


Figure 1 Assembly of the measuring equipment

- 1 Cable mounting screw (can be ordered as an accessory)
- 2 Terminal box (can be ordered as an accessory)
- 3 Bending radius of extension cable > 120 mm (4.72 inch)
- 4 Suspension clamp (can be ordered as an accessory)
- 5 Extension cable
- 6 Guide tube
- 7 Device
- 8 Additional weight can be ordered as an accessory for the device with external diameter of 22 mm (0.87 inch) and 29 mm (1.14 inch)
- 9 Protective cap

### Mounting the Suspension Clamp

- (1) Mount the suspension clamp (2). Observe the weight of the extension cable (1) and the device when selecting the fastening point.
- (2) Push up the clamping jaws (3). Place the extension cable (1) between the clamping jaws as shown in the figure.
- (3) Hold the extension cable (1) in position. Push the clamping jaws (3) back down. Tap the clamping jaws gently from above to fix them in place.

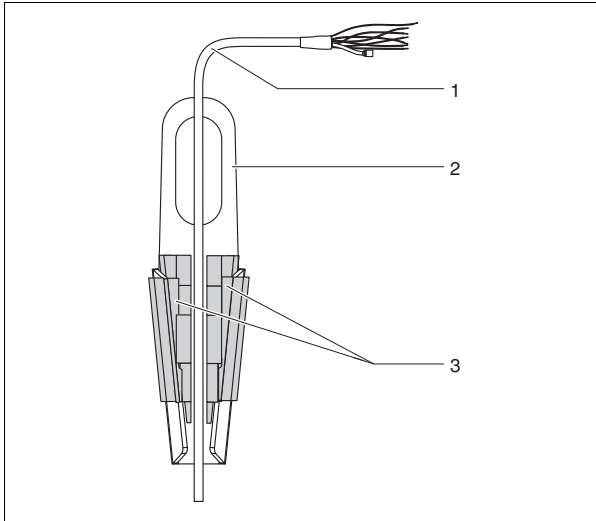


Figure 2 Mounting the device with a suspension clamp

- 1 Extension cable
- 2 Suspension clamp
- 3 Clamping jaws

### Mounting the Terminal Box

The optional terminal box is mounted using 4 screws (M4). For the dimensions of the terminal box, see the Technical Information.

### Electrical Connection



#### Danger!

Danger to life from electric shock

Incorrect or faulty connection of the device can impact safety. Working on live parts can result in electric shock.

- Observe the applicable national standards.
- Observe the safety notes in the instruction manual.
- Check to ensure that the power supply matches the information on the nameplate.
- Switch off the supply voltage before connecting.

### Connecting the Device

- (1) Before connecting the device: switch off the supply voltage.
- (2) Let the cable end in a dry room or in a suitable terminal box. For outdoor installation, a IP66/IP67 terminal box is suitable.
- (3) Connect the device in accordance with the following figures. Reverse polarity protection is integrated in the device and the temperature head transmitter. Changing the polarities will not result in the destruction of the device.
- (4) Use a suitable circuit breaker according to IEC/EN 61010 for the device.

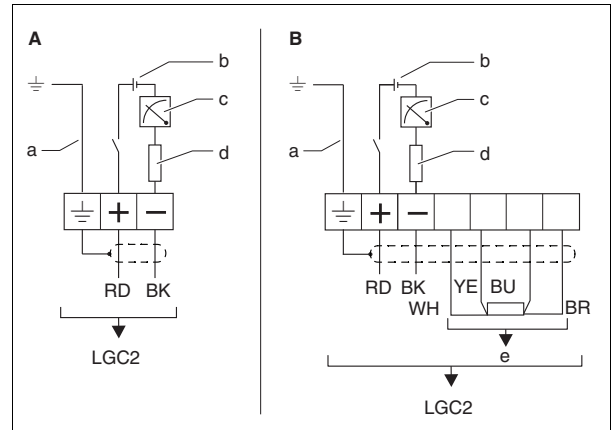


Figure 3 Connection

- A Device
- B Device with Pt100 (not for use in hazardous areas)
- a Not for devices with external diameter of 29 mm (1,14 inch)
- b 10.5 to 30 V DC (hazardous area), 10.5 to 35 V DC
- c 4 to 20 mA
- d Resistance ( $R_L$ )
- e Pt100

#### Wire colors

RD = red, BK = black, WH = white, YE = yellow, BU = blue, BR = brown

#### Connection data

Connection classification according to IEC 61010-1:

- Overvoltage category 1
- Pollution level 1

#### Connection Data in the Hazardous Area

See relevant instruction manuals.