

## FK90E017

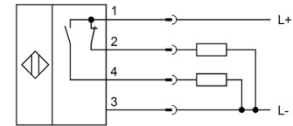
filling level sensor

### 1. Mounting

Mount and fix the device at the desired position. The sensor can be mounted from the top, bottom or side. Normally, the installation position is not relevant to the measurement. However, it is important that the active surface (PEEK-tip) extends into the tank in a way that it is completely surrounded by the product to be scanned during filling.

### 2. Pin configuration

The electrical connection is made according to the diagram on the right. Please note the given specifications on the device and the data sheet.

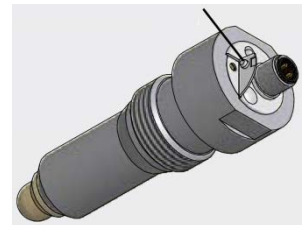


### 3. Adjustment

Except for the test function, the outputs are not active during the programming phases. The outputs indicate the status of the LEDs. The adjustment of the sensor is made via a push button. The programming button is located under the protective cover. Please open the protective cover. To activate the programming button, use ideally the attached screwdriver.

**Attention:**

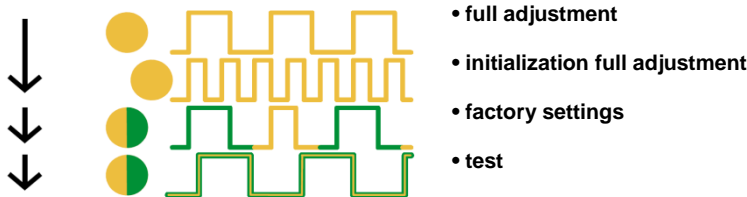
**Please be aware that the active surface of the sensor is completely surrounded by the product to be scanned during the adjustment.**



Except for the test function, the outputs are not active during the programming phases.

**By pressing the push button, the following setting modes can be activated:**

LED / output function: yellow = A1 green = A2



By release of the teach-button in the respective setting, the selected action is executed.

### 3.1 Full adjustment

Teaches the current filling level.

- Press the programming button with the screwdriver and keep it pressed until the LED flashes yellow.
- Release the programming button.
- During the initialization process, the LED flashes yellow with a higher frequency.

*Attention: Don't change the filling level during the adjustment!*

The full adjustment is performed when the LED lights up yellow permanently. The sensor is set to the necessary sensitivity for the product detection. The switching hysteresis is automatically calculated.

### 3.2 Reset to factory settings

Resets the sensor to the state of delivery.

- Press the programming button with the screwdriver and keep it pressed until the LED flashes alternately green / yellow.
- Release the programming button.

### 3.2 Test

To check the control unit that is connected to the sensor, please use the test function.

- Activate the programming button with the screwdriver and keep it activated until the LED flashes yellow / green and the outputs switch pulsating at the same time.

You exit the test function by releasing the programming button. The sensor returns to the before set condition.