71667888

Special Documentation
Memosens CLS16E adapter

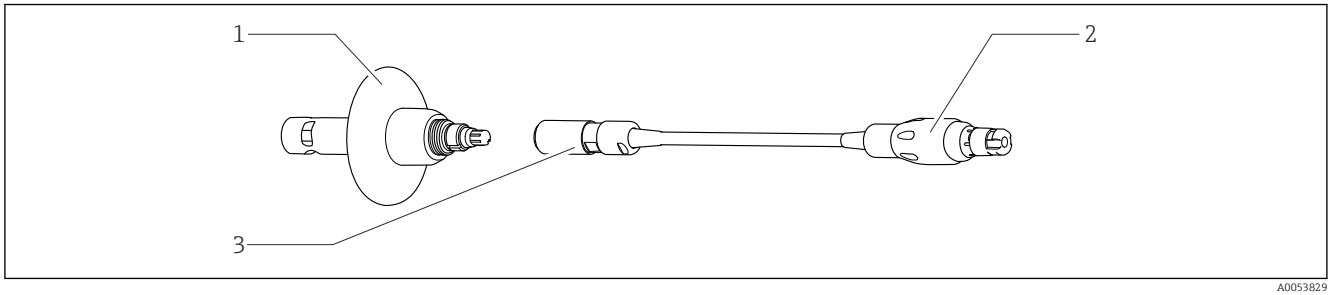
Memosens connection for analog sensor and adapter for calibration according to USP 645

Scope of delivery

The scope of delivery comprises:
- Contacting conductivity sensor CLS16B
- Memosens adapter
  The serial number of the adapter is identical to the serial number of the CLS16B sensor.
- Calibration adapter for connecting to an external resistor
- Special Documentation for Memosens CLS16E adapter
- Memosens CLS16E Operating Instructions

The supplied Memosens adapter and supplied CLS16B sensor always belong together. The connection of another CLS16B sensor leads to malfunction and is therefore not permitted.

Connection to a Memosens input



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1 CLS16B sensor
2 Memosens plug for connecting a CYK10 cable
3 TOP68 sensor socket

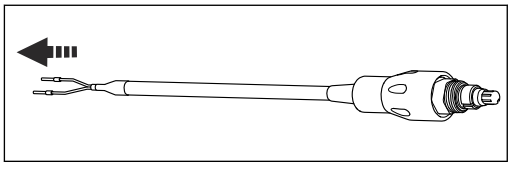
Connecting to the transmitter:

Operating Instructions Memosens CLS16E, BA02019C

Calibration according to USP 645

The procedure described is based on USP31-NF26. For a valid calibration, compare it with the latest version of USP 645 "Water conductivity".

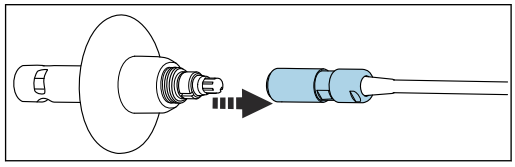
1.



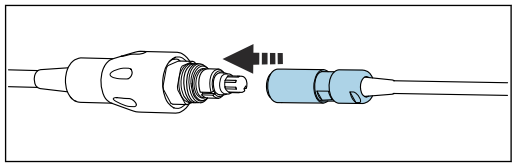
Connect the calibration adapter to the required resistor, the decade resistor or a Wheatstone bridge (NIST traceable, measurement error 1% max.).

2. Deactivate the measuring channel of the sensor on the transmitter.

An error message will appear if the sensor or the calibration adapter is disconnected while the measuring channel is active. This error can only be cleared by restarting the transmitter.

3. 

Release the analog plug of the Memosens adapter from the TOP68 connection of the sensor.

4. 

Connect the calibration adapter to the analog plug.

5. Activate the measuring channel on the transmitter.
   ↳ For simulated conductivity values up to 10 µS/cm, the displayed conductivity value may deviate from the nominal conductivity value of the resistor used by a maximum of 0.1 µS/cm.
   The temperature is simulated at a value of 0°C.
   The cell constant stored in the Memosens electronics module must be used to determine the nominal conductivity value.
6. After calibration, first deactivate the measuring channel on the transmitter. Then remove the calibration adapter and reconnect the sensor to the Memosens adapter.
7. Finally, reactivate the measuring channel on the transmitter.