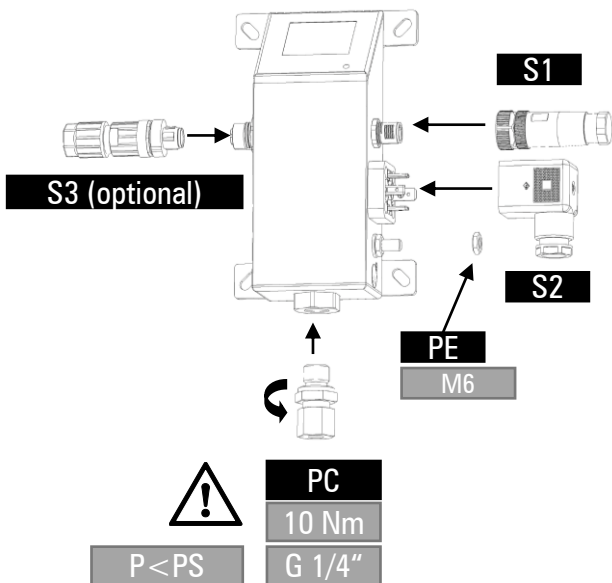


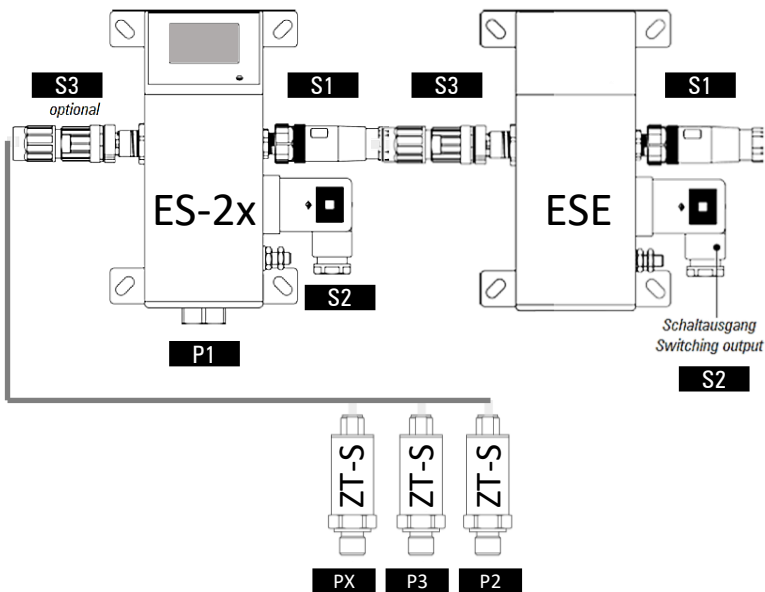
**ES-2x**

<b>S 1</b>	5-pol. M12, A-coded, male
<b>S 2</b>	EN 175301 Form A Connector
<b>S 3</b>	5-pol. M12, A-coded, female
<b>PE</b>	Grounding nut
<b>PC</b>	Process Connector



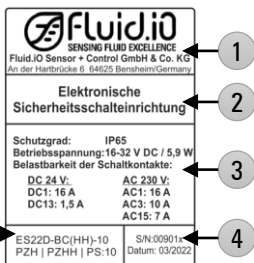
# ES - Series

## ES-2x | ESE | ZT-S



# QUICK START

# ES-2x Information



ES-2XX-XX(XX)-XXX

TK

XXX | XXX | XXXbar

SF1

SF2

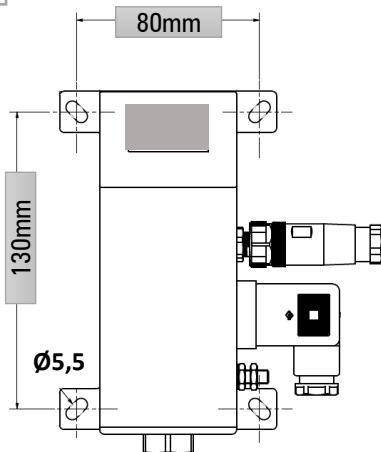
PS

- 1 Manufacturer
- 2 Product name
- 3 Electrical / technical data
- 4 Serial nr.  
Date of manufacturing
- 5 Device configuration

<b>PS</b>	Nominal pressure
<b>SF1</b>	Safety function 1
<b>SF2</b>	Safety function 2
<b>TK</b>	Device type key



4xM5



## Service & Support



Technische Änderungen vorbehalten.  
Subject to technical modifications.  
Version: V1.3\_231214\_TOLI\_ES2x

### **Fluid.iO Sensor + Control GmbH & Co. KG**

An der Hartbrücke 6  
64625 Bensheim

[www.fluidio.de](http://www.fluidio.de)

[info@fluidio.de](mailto:info@fluidio.de)

Tel.: +49 (0) 6251 8462 0

## Manual Download

[www.fluidio.de/ES2x](http://www.fluidio.de/ES2x)



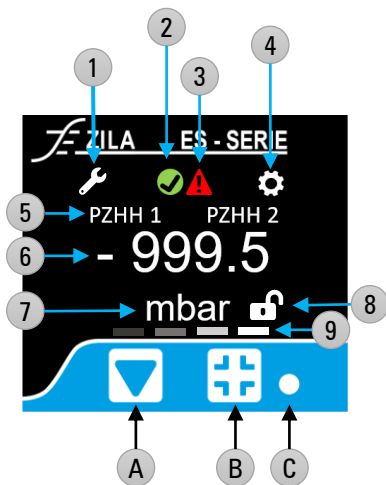
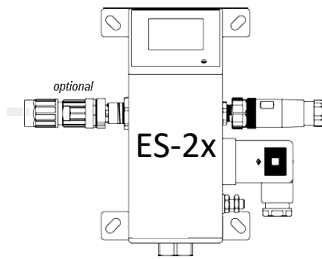
1. Scan QR Code with Smartphone
2. Download Manual .pdf from product page



1. Use a computer with a browser and navigate to the domain
2. Download Manual .pdf from the product page



# ES-2x Display



- |   |                                       |
|---|---------------------------------------|
| 1 | Commissioning mode                    |
| 2 | Operation mode                        |
| 3 | Alarm / Error mode                    |
| 4 | Configuration mode                    |
| 5 | Switching Point 1 / 2                 |
| 6 | Measurement Value                     |
| 7 | Unit of (6)                           |
| 8 | Password status<br>(default:disabled) |
| 9 | Datalogging                           |
| A | Navigation ▼                          |
| B | ENTER ↵                               |
| C | PZHH / PZLL reset 🛑                   |



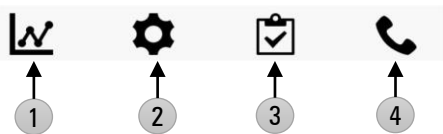
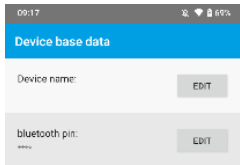
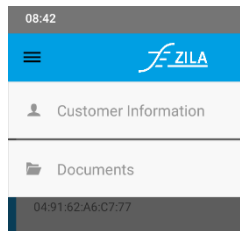
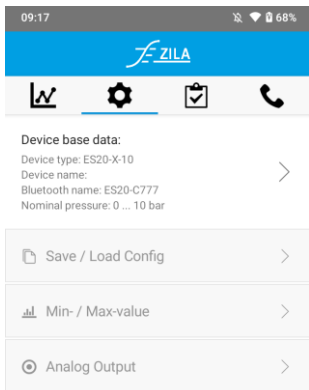
Passwort bei Auslieferung  
Password at delivery

5555

## Android App



1. Scan the QR Code
2. Install App from Playstore
3. Activate *Bluetooth* on Smartphone
4. Activate *Bluetooth* on ES-2x
5. Start App on Smartphone.
6. Search for ES-2x device
7. Connect Smartphone with ES-2x



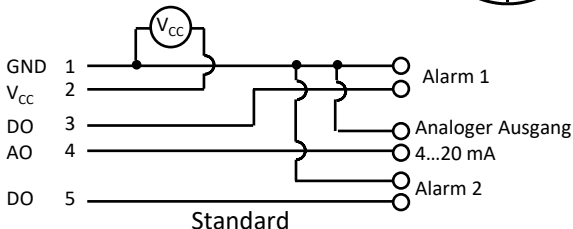
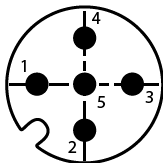
1. Live Data
2. Configuration
3. Service
4. Support

## ES-2x Connection

### S1

5-pol. M12, A-coded, male

- 1: GND
- 2:  $V_{cc}$  16...32 V DC (max. 5.9 W)
- 3: Digital I/O 1
- 4: Stromausgang / current output (4...20 mA)
- 5: Digital I/O 2



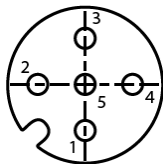
### S3 (optional)

Bei Geräten mit Kanalerweiterung mittels ZT-S Drucksensoren bzw. der ESE Erweiterung.

For devices with channel expansion using ZT-S pressure sensors or ESE.

5-pol. M12, A-coded, female

- 1: GND
- 2: 16...32 V DC (max. 5.9 W) → ES-2x
- 3: Digital I/O → ES-2x
- 4: n.c. / nicht verbunden
- 5: n.c. / nicht verbunden



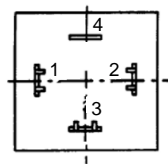
## ES-2x Connection

### S2

#### EN 175301 Form A Connector

1 + 2: Schaltkanal / switching output 1

3 + 4: Schaltkanal / switching output 2

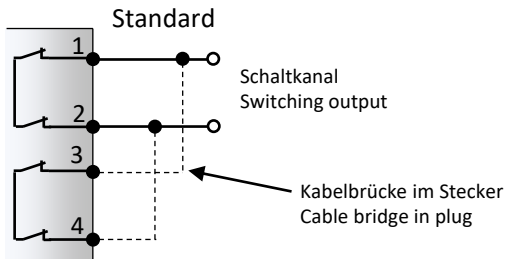


Die Schaltrelais öffnen bei Alarm oder Gerätefehler.  
The switching relays open in case of an alarm or device error.



Beide Schaltkanäle sind bei Geräten mit automatischen Relais-Test in S2 gebrückt (Standard).

Both switching outputs are bridged in S2 at devices configured for automatic relay self tests.



Bei Geräten mit 2 x unabhängigen Schaltkanälen  
For devices with 2 x independent switching outputs

