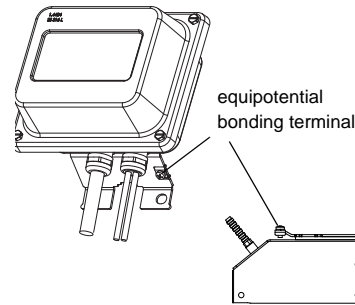
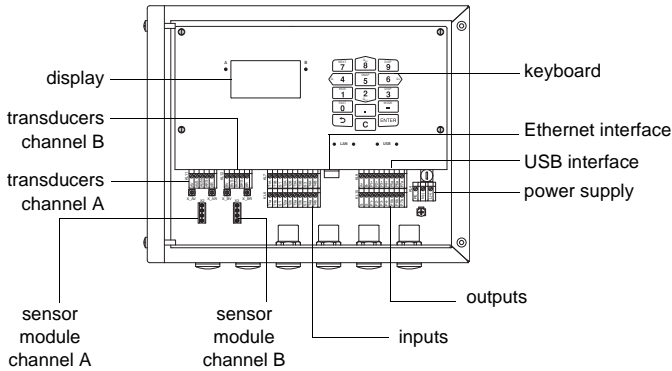


**Attention!** Observe the "Safety Instructions for the Use in Explosive Atmosphere" (see document SIFLUXUS).

### Transmitter



### Sensor module

The supplied sensor module (SENSPROM) has to be connected to the corresponding terminals of the transmitter. The serial numbers of the sensor module and the transducer must be identical.

### Connection of Transducers

#### Attention!

For good high frequency shielding, it is important to ensure good electrical contact between the external shield and the cap nut (and the housing).

#### Connection to transmitter

terminal	extension cable
AV	white or marked cable (core)
AVS	white or marked cable (internal shield)
ARS	brown cable (internal shield)
AR	brown cable (core)

terminal	transducer cable with stripped cable ends
AV	transducer  (brown cable, marked white)
AVS	transducer  (red cable)
ARS	transducer  (red cable)
AR	transducer  (brown cable)

terminal	transducer cable with SMB connectors
X_AV	SMB connector (brown cable, marked white)
X_AR	SMB connector (brown cable, marked black)

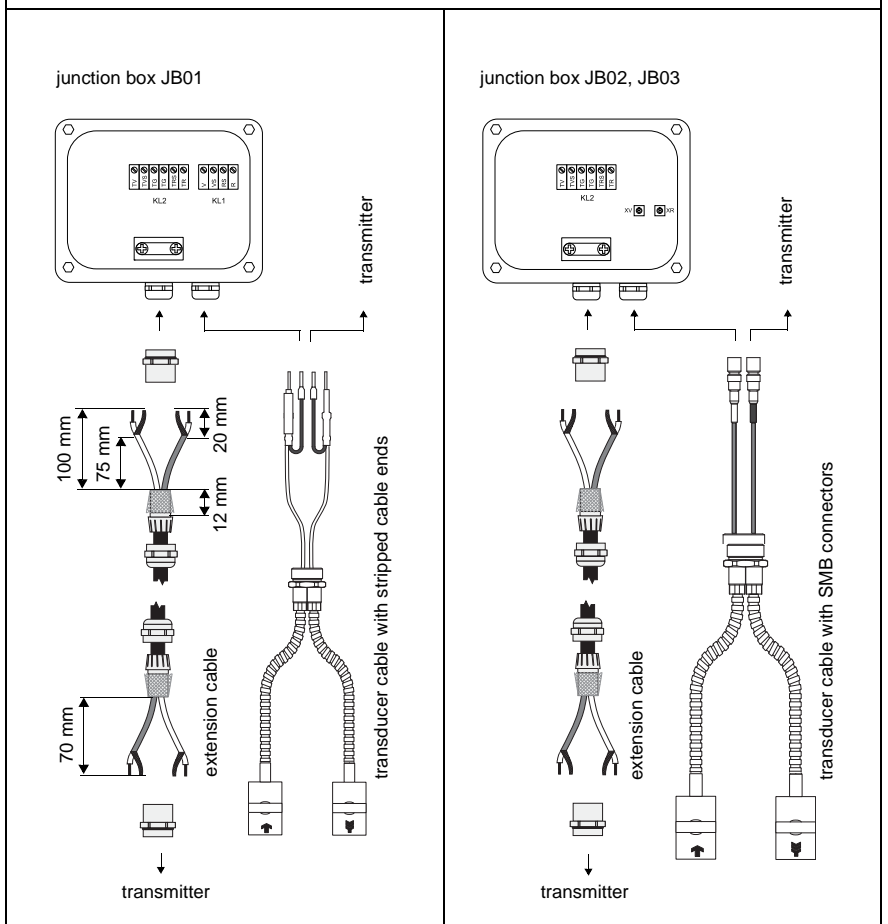
#### Connection to junction box

terminal	extension cable
TV	white or marked cable (core)
TVS	white or marked cable (internal shield)
TRS	brown cable (internal shield)
TR	brown cable (core)

terminal	transducer cable with stripped cable ends
V	transducer  (brown cable, marked white)
VS	transducer  (red cable)
RS	transducer  (red cable)
R	transducer  (brown cable)

terminal	transducer cable with SMB connectors
XV	SMB connector (brown cable, marked white)
XR	SMB connector (brown cable, marked black)

### connection system TS



transducer, junction box and transmitter have the same electrical potential

### Connection of Power Supply

terminal	connection AC	connection DC
PE	earth	earth
N(-)	neutral	-DC
L(+)	phase	+DC

The voltage is indicated on the plate below the terminal strip.

**Parameter input**

**Start measurement**

**Navigation**

Parameter

Parameter Channel A:

Select the channel.

Transducer Connected Transd

Select the transducer.

Outer diameter 62.00 mm

Enter the outer pipe diameter.

Pipe material Carbon Steel

Select the pipe material.

Wall thickness 3.00 mm

Enter the pipe wall thickness.

Lining >NO< YES

Is pipe lining present?

Roughness Auto

Enter the roughness.

Fluid Water

Select the fluid.

Fluid temp. 22.0 C

Enter the fluid temperature.

Extension cable 0.0 m

Enter the length of the extension cable.

Measurement

Channel >A< B Y Z

Measurement [X] [-] [-] [-]

Select the channel.

A: Meas. point no. A

Enter the measuring point number.

A: Sound path 2 NUM

Confirm the value.

Transd. distance 54 mm

Use coupling foil or apply a bead of acoustic coupling compound to the contact surface of the transducers.

Mount the transducers on the pipe at the recommended transducer distance a.

A: Measurement

Q= [Bar Graph]

[Bar Graph] <-> [Bar Graph] = -35.16mm!

AMP= [Bar Graph] 41 %

SCNR= [Bar Graph] 7 %

Press [3] or [9] until bar graph Q is displayed in the lower line.

Change transducer position slightly, until bar graph Q has max. length.

**Notes on transducer mounting**

- Observe the recommended distance between the measuring point and the disturbance point.
- Clean the pipe.
- Use coupling foil or apply a bead of acoustic coupling compound to the contact surface of the transducers.
- Mount the transducers laterally to the pipe, if possible.

Transd. distance(50.00) 54 mm

Measure and enter transducer distance a.

A: Volum. flow rate 54.5 m3/h

Press [Enter].

**Measurement**

- vertical selection (⬆): key [8] and [2]
- horizontal selection (⬅▶): key [4] and [6]
- return to main menu: key BRK
- delete: key C

**Channel**

[X] : channel is activated

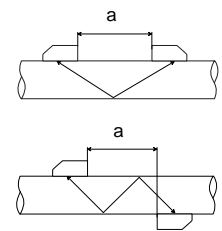
[-] : channel is deactivated

[ ] : no parameters

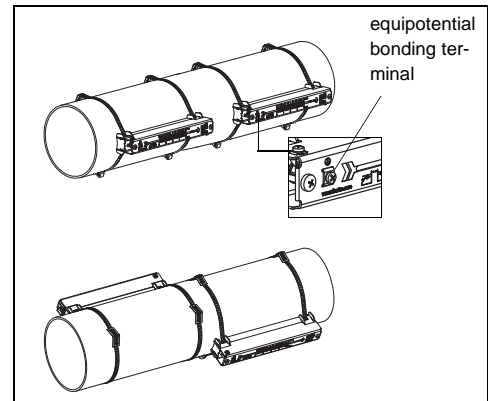
- select the channel: key [4] and [6]
- activate the channel: key [8] and [2]

**Input of sound path**

- **sound path (even number):**  
The transducers are mounted on the same side of the pipe.
- **sound path (uneven number):**  
The transducers are mounted on opposite sides of the pipe.

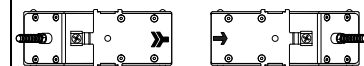


a - transducer distance



**Note!**

When the transducers are mounted correctly, the engravings on the transducers form an arrow.



Measurement [Enter]

Measurement

[ Stop measurement ]

[ Show parameters ]

[ Show measurement ]