Connection of the Transducers to the Transmitter FLUXUS *60x

Attention!	Observe the "Safety Instructions for the Use in Explosive Atmosphere" (see document SIFLUXUS_608).

Installation of the Transmitter

Note!	The recommended distances to disturbance sources have to be observed when selecting the measuring point (see chapter "Selection of the Measuring Point" in the user manual).

Place the transmitter within cable reach of the measuring point.
Use an extension cable, if necessary.

placement

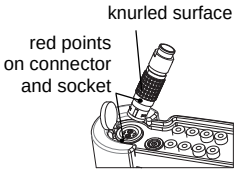
installation on a pipe

hanging

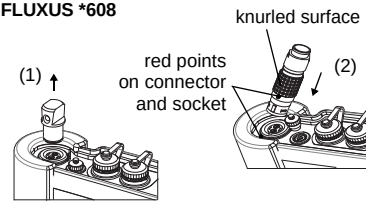
Connection of the Transducers

The red point on the connector must align with the red marking on the socket. Remove the connector by pulling at the knurled surface.

transmitter FLUXUS *601



transmitter FLUXUS *608



Keyboard Layout

- switch on transmitter: key C
- vertical selection: key 2 and 8
- horizontal selection: key 4 and 6
- return to main menu: key BRK
- delete: key C
- switch off transmitter: 3x key BRK

Parameter Input

```
>PAR< mea opt sf
Parameter
```

Select the program branch. ↵

```
Parameter          ↕
for Channel       A:
```

Select the measuring channel. ↵

```
Outer Diameter
       100.0       mm
```

Enter the outer pipe diameter. ↵

```
Wall Thickness
        3.0        mm
```

Enter the pipe wall thickness. ↵

```
Pipe Material      ↕
Carbon Steel
```

Select the pipe material. ↵

```
Lining
 >NO<              yes
```

Is pipe lining present? ↵

```
Roughness
        0.4        mm
```

Enter the roughness. ↵

```
Medium             ↕
Water
```

Select the medium. ↵

```
Medium Temperat.
       20.0         C
```

Enter the temperature. ↵

```
>PAR< mea opt sf
Parameter
```

Return to the main menu.

Output Options

```
par mea >OPT< sf
Output Options
```

Select the program branch. ↵

```
Output Options      ↕
for Channel        A:
```

Select the measuring channel. ↵

```
Physic. Quant.      ↕
Volume flow
```

Select the physical quantity.

```
Volume in:          ↕
m3/h
```

Select the measurement unit. ↵

Press ENTER unil the following display is indicated:

```
Store Meas.Data
no                >YES<
```

Store measured values? ↵

```
Serial Output
>NO<               yes
```

Output via serial interface? ↵

```
Storage Rate        ↕
Once per 10 sec.
```

Select the storage rate. ↵

```
Current Loop
I1: >NO<           yes
```

Activate or deactivate the output. ↵

```
par mea >OPT< sf
Output Options
```

Return to the main menu.

Measuring

```
par >MEA< opt sf
Measuring
```

Select the program branch. ↵

```
CHANN: >A< B Y Z
MEASUR  ✓  . - .
```

Select and activate the measuring channel. ↵

```
A: Sound Path
        2          NUM
```

Confirm the value. ↵

```
Transd. Distance
A:53.9 mm Reflec
```

The recommended transducer distance is indicated. ↵

Mount the transducers on the pipe (see "Notes on the Transducer Mounting" on the right side).

```
S=■■■■■■
A:■<     >■=54mm
```

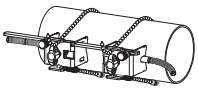
Shift the transducers until the LED lights green. ↵

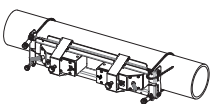
```
Transd. Distance
        54 mm
```

Measure and enter the adjusted transducer distance. ↵

```
A: Volume flow
        31.82     m3/h
```

Measurement





Measuring Channel

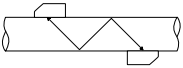
√ : measuring channel is activated
– : measuring channel is deactivated
• : no parameters

select measuring channel: key 4 and 6
activate measuring channel: key 2 and 8

Sound Path

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

- sound path (odd number):
The transducers are mounted on opposite sides of the pipe.

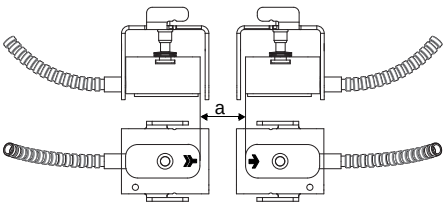


Notes on the Transducer Mounting

- Observe the recommended distance between the measuring point and the disturbance point.
- Clean the pipe.
- Use coupling foil or apply coupling compound.
- Mount the transducers on the pipe at the recommended transducer distance (see fig. below).
- Fix the transducers on the sides of the pipe, if possible.
- When the transducers are mounted correctly, the engravings on the transducers form an arrow (see fig. below).

Transducer Distance a

- Transducers for the connection to the transmitter FLUXUS *601 (in the fastening shoe):



- Transducers for the connection to the transmitter FLUXUS *608: