

Signal Conditioner MUK Connecting Instructions

1. Preparing the connecting cable

We recommend using a 3-wire twisted cable (0,25 mm² ≈ AWG 24) with braided shielding and an outside diameter of 4.5 to 6.5 mm (0,17 to 0,25 in). Strip 30 mm of the cable sheathing and 5 mm of the stranded wires insulation. Twist the braided shielding if necessary. Use end sleeves for strands.

2. Opening the connector box

Remove the 4 fastening screws entirely from the connector box and lift off the cover.

3. Connecting the cable

Feed the cable prepared according to instructions under (1.) through the cable gland into the case. Connect the stranded wires as indicated in the connection diagram (see below) to the terminal strip. Push the cable forward far enough to allow the cable sheathing to reach the cable strain relief. Mount the strain relief tab.

4. Exchanging polarity

If you wish to alter the assignment of the output signal to the direction of movement of the transducer, exchange the wires 1 and 3 of the sensor connection cable.

5. Adjusting

MUK350-0 :

Move the transducer's wiper to the start position. Now adjust the output signal by turning the trimming potentiometer next to terminal A to 0 mA. Move the transducer's wiper to the end position. Now adjust the output signal by means of the trimming potentiometer next to terminal D to 20 mA. Check the value at the end position and reiterate the process if necessary.

MUK350-1 :

At first adjust to zero: Move the transducer's wiper to the start position, paying particular attention to the wiper staying within the electrical measurement range of the sensor.

Now adjust the output signal by turning the trimming potentiometer next to terminal A to 0 V. Do not turn beyond 0 V. Move the transducer's wiper to the end position, also paying particular attention to the electrical measurement range of

the sensor. Now adjust the output signal by means of the trimming potentiometer next to terminal D to 10 V.

MUK350-4 :

Move the transducer's wiper to the start position. Now adjust the output signal by turning the trimming potentiometer next to terminal A to 0 mA. Move the transducer's wiper to the end position. Now adjust the output signal by means of the trimming potentiometer next to terminal D to 16mA.

Move the transducer's wiper back to the start position and adjust the output signal by turning the trimming potentiometer next to terminal A to 4 mA. Check the value at the end position (20 mA) and reiterate the process if necessary.

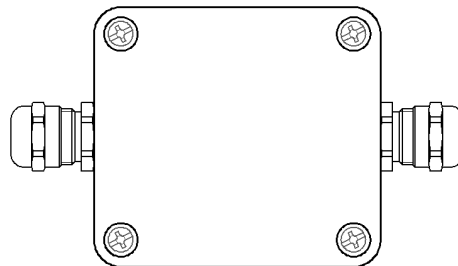
MUK350-6 :

At first adjust to zero: Move the transducer's wiper to the start position, paying particular attention to the wiper staying within the electrical measurement range of the sensor.

Now adjust the output signal by turning the trimming potentiometer next to terminal A to -10 V. Move the transducer's wiper to the end position, also paying particular attention to the electrical measurement range of the sensor. Now adjust the output signal by means of the trimming potentiometer next to terminal D to 10 V.

Connection diagram

Refer to type label



Dok.-Nr. MU00000130R1