

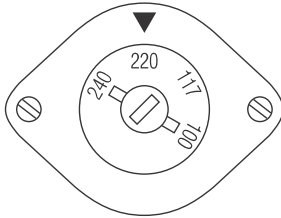
14.2 Short-form setup instructions

Hardware setup

Find an appropriate location for the FSC 402.

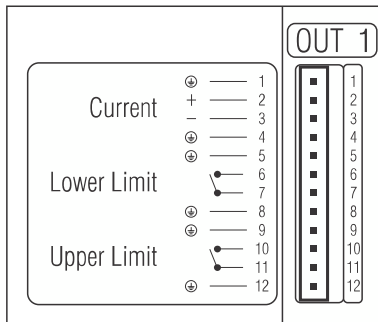
Make sure the voltage selector position (on the rear of the unit) is in accordance with your local mains voltage.

Note: If your local mains voltage is 230V, make sure the voltage selector is set to the “220”V position.



Connect the unit to the mains. Make sure the power switch on the rear of the unit is set to “0” (off).

Now connect the appropriate peripheral devices to the output module (current output and relay contacts). Please consult the pin assignment label to the left of the output module.

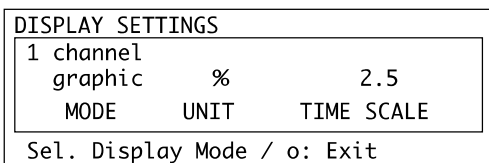


Connect the turbidity sensor(s).

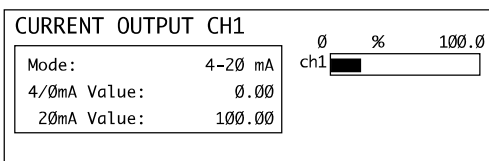
Power up the FSC 402.

Software setup

Now adjust the display to suit your particular application. This procedure includes the selection of the **display mode**, the **measuring unit** and the **time scale**. For detailed instructions please refer to → **Chapter 4.3**.



Set the measuring and display range. This setting is done from within the current outputs menu. For detailed instructions on this topic please refer to → **Chapter 5.3.1** and **Chapter 5.3.2**.



5.3 Programming the outputs

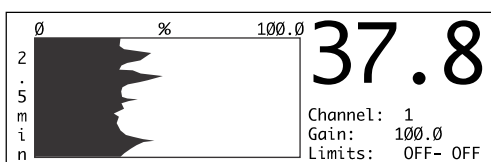
The programming of outputs is divided into two logical blocks:

- programming of the analog current outputs
- programming of the limits for the relay contacts

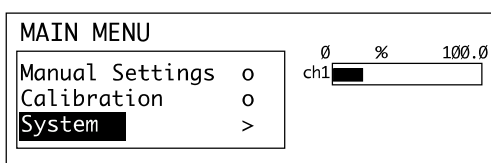
Important:

Programming the analog current outputs also defines the measuring and display range!

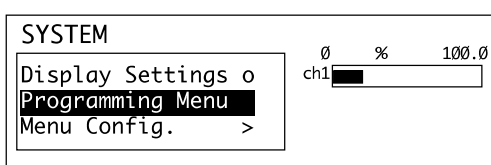
5.3.1 How to select the outputs



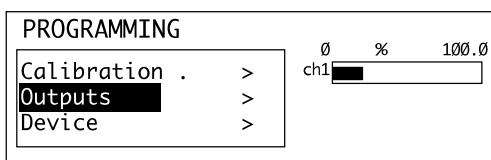
The FSC 402 is in standard display mode. Press the key **■** to switch to the menu mode.



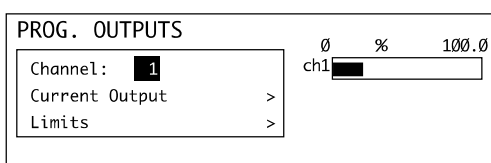
Use the keys **▲** and **▼** to select the menu option “System”, then press the key **▶** to call the next sub-menu.



With the keys **▲** and **▼** select the menu option “Programming Menu” and press the key **▶** to call the subsequent menu.



With the keys **▲** and **▼** select the menu option “Outputs” and press the key **▶** to call the next menu.



Select the parameter “Channel” using the keys **▲** and **▼**, then press the key **■**. Use the keys **▲** and **▼** to select the channel for which you want to set the output parameters, then press the key **■**.

5.3.2 Programming the current outputs

PROG. OUTPUTS		0 % 100.0
Channel: 1		ch1 <input type="text"/>
Current Output	>	
Limits	>	

Use the key ▼ to select the menu option “Current Output” and call the next sub-menu by pressing the key ►.

In this menu you can set the parameters for the current output of the selected channel.

CURRENT OUTPUT CH1		0 % 100.0
Mode:	4-20 mA	ch1 <input type="text"/>
4/0mA Value:	0.00	
20mA Value:	100.00	

Use the keys ▲ and ▼ to select the parameter “Mode”, then press the key ■. With the keys ▲ and ▼ select the desired current output; either 4 - 20 mA (factory setting) or 0 - 20 mA.

CURRENT OUTPUT CH1		0 % 100.0
Mode:	4-20 mA	ch1 <input type="text"/>
4/0mA Value:	0.00	
20 mA Value:	100.00	

With the key ▼ select the menu option “4 / 0 mA Value” and press the key ■. Here you can assign the minimum current output to a specific turbidity value (the factory setting is 0). **This setting also defines the lower measuring limit.**

Use the keys ◀ and ▶ to select the digits to be altered. Change the selected digit by means of the keys ▲ and ▼, then confirm by pressing the key ■.

CURRENT OUTPUT CH1		0 % 100.0
Mode:	4-20 mA	ch1 <input type="text"/>
4/0mA Value:	0.00	
20 mA Value:	100.00	

With the key ▼ select the menu option “20 mA Value” and press the key ■. Here you can assign the maximum current output to a specific turbidity value (the factory setting is 100). **This setting also defines the upper measuring and display limit.**

Use the keys ◀ and ▶ to select the digits to be altered. Change the selected digit by means of the keys ▲ and ▼, then confirm by pressing the key ■.

PROG. OUTPUTS		0 % 100.0
Channel: 1		ch1 <input type="text"/>
Current Output	>	
Limits	>	

Press the key ◀ to jump back to the previous menu.