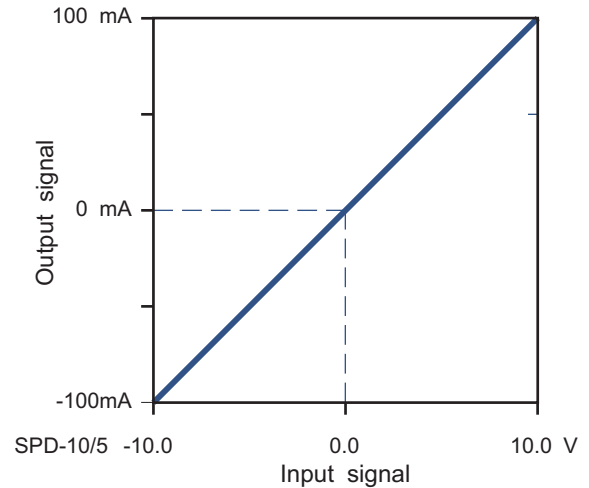


Sauer-Danfoss pump control



The SPD-10 offers you the possibility to control a Sauer-Danfoss hydraulic pump through a -10..10 Volt signal.



Transfer characteristic

The control signal, can be produced by a PLC, an industrial control computer or a sensor.

The SPD-10 converts this control signal to a corresponding output current, so that the Sauer-Danfoss pump will be controlled correctly.

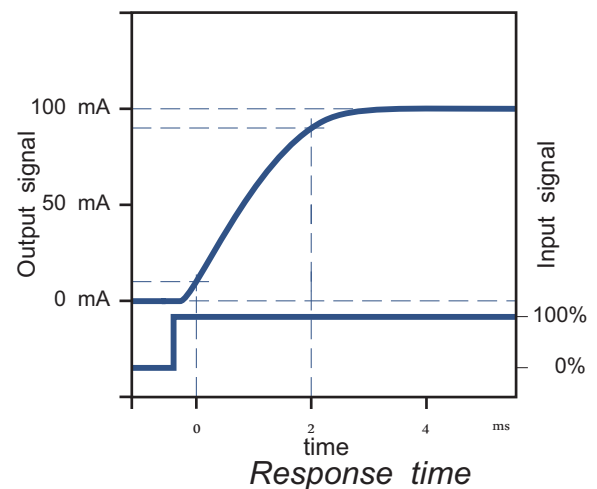
In the first characteristic, the output signal is plotted as a function of the input signal.

The second characteristic, reflects the response time, measured between 10% and 90% of the maximum values.

Specifications:

Input signal:

- ◆ -1.. +1 Volt SPD-10/1
- ◆ -10 .. +10 Volt SPD-10/5
- ◆ -0,5 .. +4,5 Volt SPD-10/6



Response time

Output signal:

- output current -100 to + 100 mA
- load resistance: 23 Ohm which corresponds with a single coil.

- Response time : 2 ms max.
- Linearity : better than 1% deviation
- Supply voltage : 9..30 VDC (max 200 mA)
- Mounting : on DIN rail
- Cable connections: M3 screws
- Dimensions : l x w x h : 77 x 32.5 x 114 mm

| order codes | input signal |
|-------------|----------------|
| SPD-10/1 | -1 .. +1 V |
| SPD-10/5 | -10 .. +10 V |
| SPD-10/6 | -0,5 .. +4,5 V |