

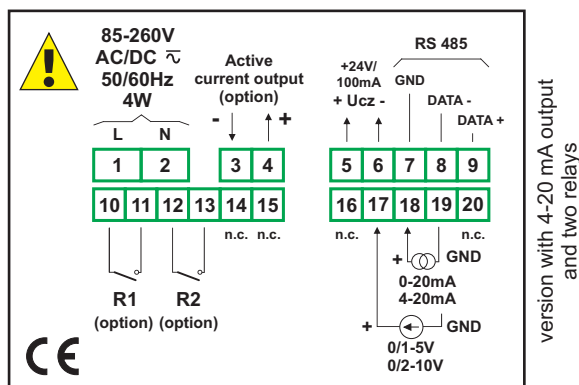
## SRL-49

- process meter with bargraph
- input 0/4-20 mA, 0/1-5V, 0/2-10V
- 0, 2 or 4 relay outputs (or OC)
- RS-485 / Modbus RTU
- option: active current output

The **SRL-49** process meter features current input with protection safeguarding the measuring resistor against damage. The measurement is visible simultaneously on the 4-decade LED display and 20-point, two-colour bargraph reflecting 0-100% of measuring range. The set threshold values are also shown on the bargraph, and the LEDs indicate when the values are exceeded. The device operates in the following modes: linear, root, square and user defined (max. 20 points). 2 or 4 relay (or OC) outputs enable adjustment of the level of the measured signal. These outputs can be controlled according to one or two threshold values.

- programmable measuring range,
- programmable hystereses and delays of control outputs,
- password protected,
- programmable indication filtration,
- overload-protected current input.

### Exemplary pin assignment



### Ordering

**SRL-49-18XX-1-X-XX1**

#### options:

- 00 : no options
- 01 : IP 65

#### power supply:

- 3 : 24V AC/DC
- 4 : 85V - 260V AC/DC

#### number of outputs:

- 0
- 2
- 3
- 4

#### type of outputs:

- 0 : no output
- 1 : REL (for 2 and 4 outputs)
- 2 : OC (for 2 and 4 outputs)
- 3 : 2 x REL + current output
- 4 : 2 x OC + current output

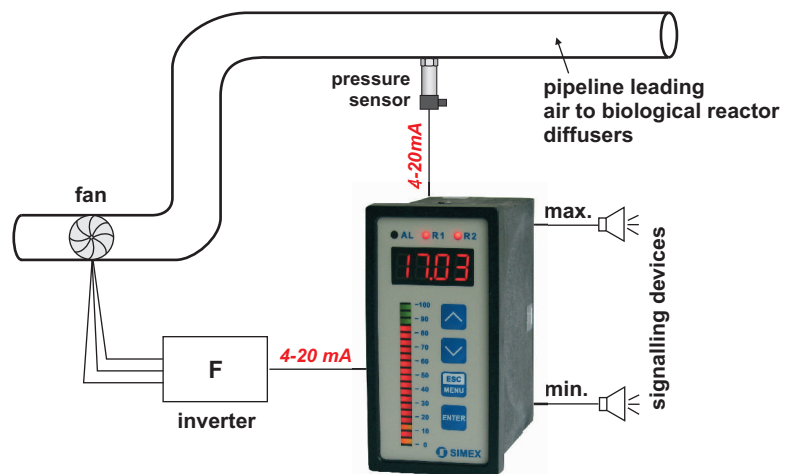


**SIMPACT II**



### Typical applications

- Measurement of pressure in pipelines with air pressure control by means of the frequency inverter and signalling of minimum and maximum thresholds.



### Technical data

**Power supply:** 19V + 50V DC; 16V + 35V AC or 85 + 260V AC/DC

**Power consumption:** for 85 + 260V AC/DC and 16V + 35V AC power supply: max. 4,5 VA; 19V + 50V DC power supply: max. 4,5 W

**Display:** LED, red, 4 x 9 mm high + 20-points bargraph, red-green

**Input:** current 0-20 mA or 4-20 mA, programmable, input resistance < 65 Ω (typ. 55 Ω), overload-protected, input current limited to 40 mA;

voltage 0-5 V, 1-5V, 0-10V or 2-10V, programmable, input resistance > 50 kΩ

**Displayed values range:** -999 - 9999 + decimal point

**Accuracy:** ± 0,25% ± one digit in the entire operation range

**Outputs:** 0, 2 or 4; relays 1A/250V AC (cosφ=1) or the OC 30mA/30VDC/100mW

**Transducer power supply output:** 24V DC +5%, -10% / max. 100 mA, stabilized, not insulated from measuring inputs

**Active current output:** operating range max. 0 - 24 mA, load resistance max. 700 Ω (option available with 2 relays, see ordering)

**Communication interface:** RS-485, 8N1 and 8N2, 1200 bit/s + 115200 bit/s, Modbus RTU, not galvanically isolated from measuring inputs

**Operating temperature:** 0°C + +50°C

**Storage temperature:** -10°C + +70°C

**Protection class:** IP 65 (front side when an additional frame is installed); IP 40 (front side); IP 20 (case and connection clips)

**Case:** board

**Case material:** NORYL - GFN2S E1

**Case dimensions:** 48 x 96 x 100 mm

**Panel cut-out dimensions:** 43 x 90,5 mm

**Installation depth:** min. 102 mm

**Board thickness:** max. 5 mm