

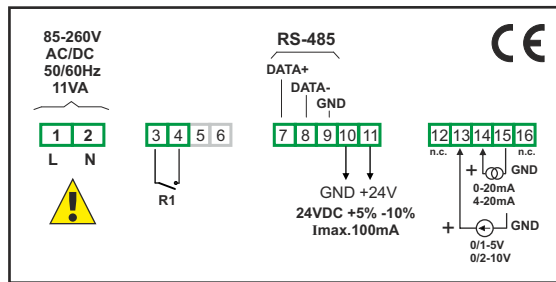
# SRP-457

- ▣ meter in tight, wall mounting case
- ▣ 57 mm LED display
- ▣ input 0/4-20 mA, 0/1-5V, 0/2-10V
- ▣ 1 relay output (or OC)
- ▣ power supply output 24V DC
- ▣ RS-485 / Modbus RTU

The **SRP-457** digital meter is equipped with one measurement input with user selected range 0/4-20 mA or 0/1-5V, 0/2-10V and a standard resistor protection circuit. Additionally the **SRP-457** allows user to select a conversion characteristic of several kinds: linear, square, square root and user defined - max. 20 points length. Relay output makes it possible to control processes ON/OFF type. The 24V DC output and RS-485 are available in standard version. The device features a 4-button keyboard for programming basic settings, which for greater security is located under the front cover. In order to make setting changes without unsealing the casing, remote control can be included by means of an (as accessories) infrared remote control unit. The keyboard on this remote control unit is the same as the device's keyboard (this applies to the type IP 67 casing).

- password protected,
- signal peak value detection,
- display brightness adjustable in 8 steps,
- transmission speed adjustable: 1200 ÷ 115200 bit/sek.,
- two types of case: IP 65 and IP 67.

## Exemplary pin assignment



## Ordering

SRP-457-181X-1-X-XX1

**type of outputs:**

- 1 : REL
- 2 : OC

**options:**

- 01 : IP 65 (standard)
- 09 : IP 67
- 0P : IP 65 + operating temp. -20°C ÷ +50°C
- 0R : IP 67 + operating temp. -20°C ÷ +50°C

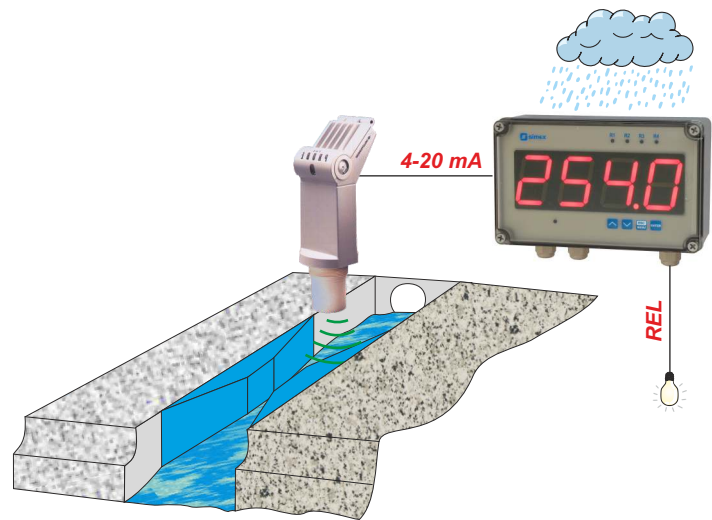
**power supply:**

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



## Typical applications

Measuring of liquid flow in open channel using ultrasonic level measuring device.



## Technical data

- Power supply:** 19V ÷ 50V DC; 16V ÷ 35V AC or 85 ÷ 260V AC/DC, all separated
- Power consumption:** for 85 ÷ 260V AC/DC and 16V ÷ 35V AC power supply: max. 11 VA; 19V ÷ 50V DC power supply: max. 8 W
- Display:** LED, red, 4 x 57 mm, with 8-step adjustment of brightness
- Input:** current 0-20 mA or 4-20 mA, user programmable, input resistance < 65 Ω (typical 55 Ω), overload-protected, input current limited to about 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:** 0.1% @25°C
- Stability:** 50 ppm/°C
- Output:** 1 relay 1A/250V AC (cosφ=1) or OC 30mA/30VDC/100 mW
- Transducer power supply output:** 24V DC +5%, -10% / max. 100 mA, stabilized, not insulated from measuring inputs
- Communication interface:** RS-485, 8N1 and 8N2, 1200 bit/s ÷ 115200 bit/s, Modbus RTU, not galvanically insulated from measuring inputs
- Operating temperature:** 0°C ÷ +50°C (standard), -20°C ÷ +50°C (option)
- Storage temperature:** -10°C ÷ +70°C (standard), -20°C ÷ +70°C (with option 0P or 0R)
- Protection class:** IP 65 (standard); IP 67 (option)
- Case:** wall-mounted (depends on IP version)
- Case material:** ABS + glass fibre
- Case dimensions:** IP 65 type case: 215 x 185 x 118,2 mm  
IP 67 type case: 230 x 140 x 96,5 mm

## Accessories



IR remote controller  
**SIR-15**