Simex

SRP-457

- meter in tight, wall mounting case
- 5 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 lenght. 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,
- trasmission speed adjustable: 1200 ÷ 115200 bit/sek.,
- two types of case: IP 65 and IP 67.

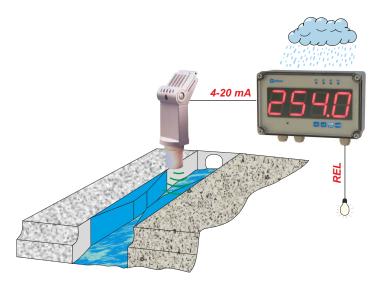




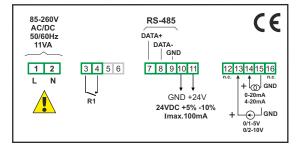
CE

Typical applications

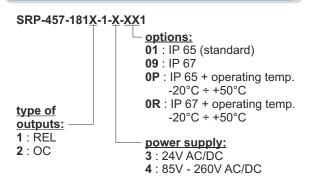
Measuring of liquid flow in open channel using ultrasonic level measuring device.



Examplary pin assignment



Ordering



Technical data

Power supply: 19V \div 50V DC; 16V \div 35V AC or 85 \div 260V AC/DC, all separated Power consumption: for 85 \div 260V AC/DC and 16V \div 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 brighness

Input: current 0-20 mA or 4-20 mA, user programmable, input resistance < 65Ω (typical 55Ω), overload-protected, input current limited to about 40 mA; voltage 0-5 V, 1-5V, 0-10V or 2-10V, programmable, input resistance > $50 \text{ k}\Omega$

Displayed values range: -999 - 9999 + decimal point

Accuracy: 0.1% @25°C Stability: 50 ppm/°C

Output: 1 relay 1A/250V AC ($\cos\varphi$ =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: $0^{\circ}\text{C} \div +50^{\circ}\text{C}$ (standard), $-20^{\circ}\text{C} \div +50^{\circ}\text{C}$ (option) Storage temperature: $-10^{\circ}\text{C} \div +70^{\circ}\text{C}$ (standard), $-20^{\circ}\text{C} \div +70^{\circ}\text{C}$ (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