

## Digital Display Process Meter



IR remote controller  
SIR-15

### SWE-73-L

- low-cost loop-powered meter in a small case
- measurement input 4-20 mA
- optional alarm output available
- signal peak value detection
- all parameters are freely programmable from the remote control

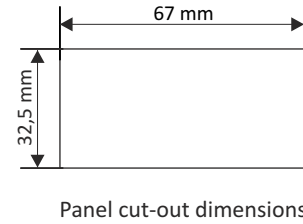
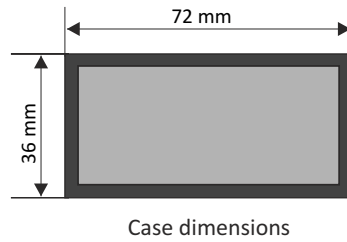
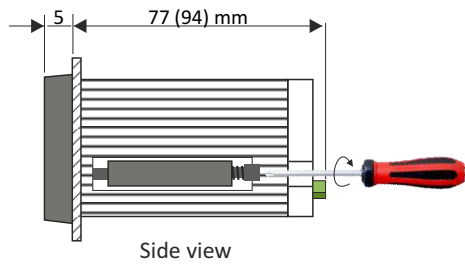
SWE-73-L is a simple and low cost digital indicator with a single 4-20 mA current input, which powers this device at the same time. Measurement input is equipped with safety circuits, saving internal electronics against overload. Device has possibilities of recalculating measured current according to few predefined transfer functions (linear, square, square root) or fully definable user characteristic (max. 20 points). Result is displayed on 4-digit red LED display, the range of the result is: -999 to 9999, with definable decimal point position. The device can be equipped with optional SPDT relay. Due to users safety requirements this output can drive a bulb lamp as well as sound signaling device but must not be used for controlling purposes. Configuration of the device can be done using IR remote controller (when input current is higher than 10 mA, what is signalised by additional LED).

### TECHNICAL DATA

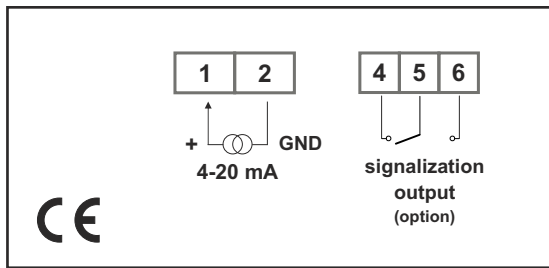
Power supply	from measurement line, min. current 3.5 mA, max. voltage drop 7V
Display	LED, red, 4 x 13 mm high
Displayed values	-999 ÷ 9999 plus decimal point
Input	current 4-20 mA, overload-protected, input current limited to about 50 mA
Accuracy	0.1% @25°C ± one digit
Stability	50 ppm/°C
Output (option)	1 x relay SPDT 30V/500 mA, resistive load, for signalization purpose only
Data memory	non-volatile memory, EEPROM type
Operating temp.	0°C ÷ +50°C (standard), -20°C ÷ +50°C (option)
Storage temp.	-10°C ÷ +70°C (standard), -20°C ÷ +70°C (depending on option)
Protection class	IP 65 (front side when an optional seal is installed); IP 40 (front side); IP 20 (case and connection clips)
Case	panel mounting; material: NORYL UL94V-0
Dimensions	case (WxHxD): 72 x 36 x 77 mm panel cut-out dimensions: 67 x 32,5 mm installation depth: min. 78 mm board thickness: max. 5 mm
Weight	approx. 71 g

# Process meters

## DIMENSIONS



## PIN ASSIGNMENTS



## ORDERING

SWE-73-L-9-XX1-X

**units:**

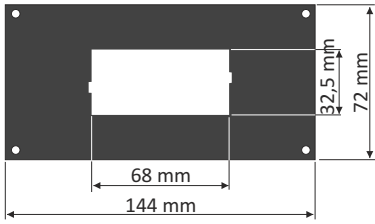
- 0 : no unit on display
- °C
- %
- bar
- m
- l/min
- A
- V
- MPa

**options:**

- 00 : no options
- 01 : IP 65 frame
- 08 : operating temp. -20°C ÷ +50°C
- 0P : IP 65 frame + operating temp. -20°C ÷ +50°C
- 0M : signalization output
- 0N : IP 65 frame + signalization output
- 0Q : signalization output + operating temp. -20°C ÷ +50°C
- 0V : IP 65 frame + signalization output + operating temp. -20°C ÷ +50°C



## MOUNTING PLATES



**SMP-147/73**  
to mount 72 x 36 mm  
size unit in place  
of 144 x 72 mm cut-out

## REMOTE CONTROLLER

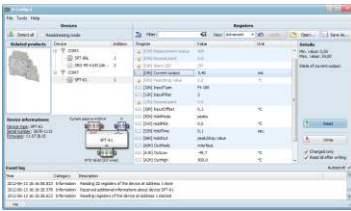


### SIR-15

InfraRed remote controllers may be used as external programming keyboard for all SIMEX devices equipped with IR receivers and remote programming functions. Pressing of any local IR controller key, causes transmission of it's code to the device. Functions of particular keys depend on devices features.

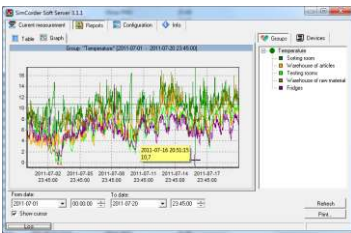
Power supply voltage: 6V DC - 4 alkaline batteries type LR44  
Operation range: from 0,5 to 5 m (depend on programmed device features)

## SOFTWARE



**S-Config 2** is used for the simultaneous detection of devices in multiple Modbus RTU networks and allows user to change the configuration of most of them. For each detected device a list of its registers, which the user can modify, is displayed and also additional informations about device parameters (type, address in the network, etc.).

**S-Config** software can be downloaded from SIMEX website at [www.simex.pl](http://www.simex.pl)



**SimCorder Soft** is a visualisation application created to facilitate work with advanced networks of the SIMEX devices, for acquisition, visualisation, reporting, archiving, exporting and printing of measurement data from all network devices. You can download measurements from the devices automatically or on demand. There is a possibility of immediate notification about emergency states via SMS or e-mail, which will often allow to quickly resolve an arising problem while avoiding long and expensive stoppages. You can view the measurement data, emergency states and configuration via the internet at every time.

## CONVERTERS



The **SRS-U4** module is designed to connect a USB host to slave devices equipped with RS-485 interface. The PC with special software can be used as a host. The **SRS-U4** unit guarantees full galvanic isolation between USB and RS-485 circuits. The converter can work with any devices equipped with RS-485 interface and contains integrated circuit which supports USB 1.1 and USB 2.0 standards. The main purpose is connection of PC host computer with industrial data acquisition and visualisation systems based on RS-485 interface.

The **SRS-U4** can be also manufactured with DIN mounting adaptor.

