

SWE-73-A

- ▣ low-cost meter in a small case
- ▣ input: 0/4-20 mA; 0/1-5V; 0/2-10V
- ▣ RS-485 / Modbus RTU
- ▣ IR remote controller as accessory

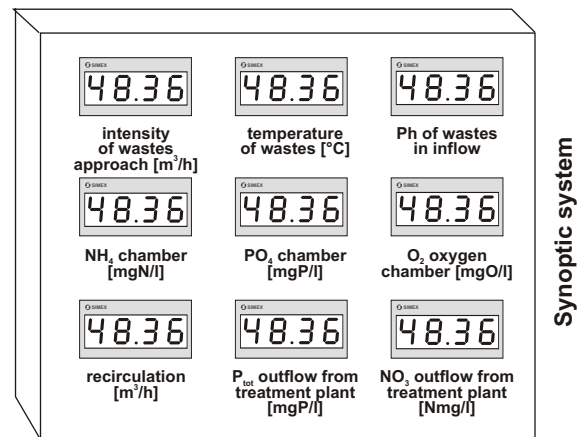


The **SWE-73** efficiency indicators are low-cost and affordable panel-mounted digital indicators. They are available in three versions: current/voltage (-A), temperature (-T, description on page 1.3.1) and without analog input, only with serial input (-S, description on page 1.4.1). The 16-bit A/D converters used in them ensure very high stability and measurement precision. Parameters can be programmed freely through an infrared link or through the RS-485 interface, built-in as a standard. Configuration of the device can also be programmed to the customer's order. The RS-485 interface makes it easy to set up measurement networks in production process monitoring systems, and also to use the indicators as smart, programmable, digital converters of input signals for computer systems. An additional advantage of the device is that its dimensions are small and it can be easily mounted.

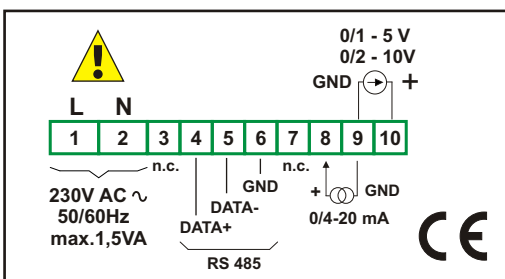
- input type defined from menu (current or voltage),
- all parameters are freely programmable from the PC or remote control (measurement range, indication filtering range).

Typical applications

1. Indication of current values of any parameters,
2. Application wherever there is a need for a quick view of many parameters, i.e. in a synoptic system.



Exemplary pin assignment



Technical data

Power supply: 110V AC ± 10% separated, 230V AC ± 10% separated or 24V DC (10V + 30V DC) not separated from measurement input

Power consumption: for 110V AC and 230V AC: max. 1.5 VA; for 24V DC: max. 1 W

Display: LED, red, 4 x 13 mm high

Input: current 0-20 mA or 4-20 mA, user programmable (it's possible to set it according to the order), overload-protected, input current limited to about 50 mA; voltage 0-5 V, 1-5V, 0-10V or 2-10V, user programmable (it's possible to set it according to the order)

Displayed values range: -999 + 9999 user programmable also with decimal point (it's possible to set it according to the order)

Accuracy: 0.1% @25°C

Stability: 50 ppm/°C

Communication interface: RS-485 (Modbus RTU), not galvanically isolated

Transmission speed: adjustable in range from 1200 to 115200 bit/sek.

Transmission parameters: 8/1/N

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 08)

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

Case: board

Case material: NORYL UL94V-0

Case dimensions: for 24V DC: 72 x 36 x 77 mm; for 230V AC: 72 x 36 x 94 mm

Panel cut-out dimensions: 67 x 32,5 mm

Installation depth: for version 24V DC: min. 78 mm; for 230V AC: min. 95 mm

Board thickness: max. 5 mm

Ordering

SWE-73-A-X-XX1*

options:

- 00 : no options
- 01 : IP 65
- 08 : operating temp. -20°C + +50°C

power supply:

- 1 : 24V DC
- 2 : 230V AC
- 8 : 110V AC

* When configuration of the device should be set by SIMEX it's necessary to determine:

- type of input (0-20 mA, 4-20 mA, 0-5 V, 1-5 V, 0-10 V, 2-10 V),
- the beginning of measuring range according to 0/4 mA or 0/1/2 V (depending on version)
- the end of measuring range according to 20 mA or 5/10V (depending on version).

Accessories



IR programmer
SIR-15