SWE-73-A

News

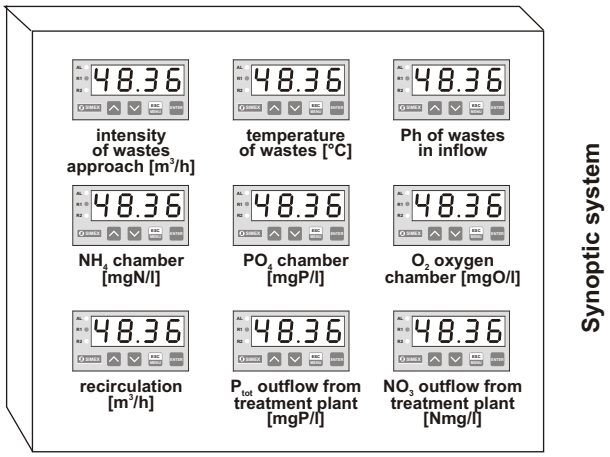
- low-cost meter in a small case
- input: 0/4-20 mA
  0/1-5V; 0/2-10V
- RS-485 / Modbus RTU

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 1.3.3) and without analog input, only with serial input (-S, description on page 1.4.3). 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.

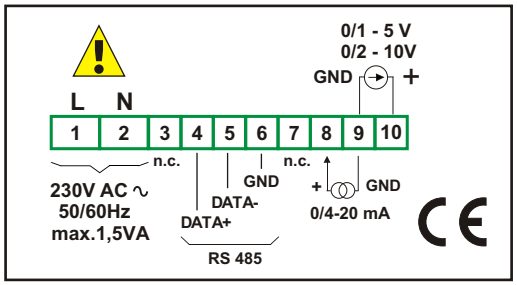
- input type defined from menu (current or voltage),
- all parameters are freely programmable from the PC or remote control (measurement range, indication filtering range).

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.



Examplary pin assignment



Technical data

Power supply: 230V AC ± 10% or 24V DC (non separated from measurement input)
Power consumption: for 230V AC power supply: max. 1,5 VA; for 24V DC power supply: max. 1 W
Display: LED, red, 4 x 13 mm high
Input: current 0-20 mA or 4-20 mA, user programmable (it's possibly to set it according to the order), overload-protected, input current limited to about 50 mA;
voltage 0-5 V, 1-5V, 0-10V lub 2-10V, user programmable (it's possibly to set it according to the order)
Measuring range: -999 - 9999 user programmable also with decimal point (it's possibly to set it according to the order)
Accuracy: ± 0,25% in the entire operation range
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
Storage temperature: -10°C ÷ +70°C
Protection class: IP 40 (front side); 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 / X-X / X

power supply:
1 : 24V DC
2 : 230V AC

End of measuring range according to 20 mA or to 5/10V (depending on version)

Beginning of measuring range according to 0/4 mA or to 0/1/2 V (depending on version)

type of input:
1 : 0-20 mA
2 : 4-20 mA
3 : 0-5 V
4 : 1-5 V
5 : 0-10 V
6 : 2-10 V