

PAD-73S

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

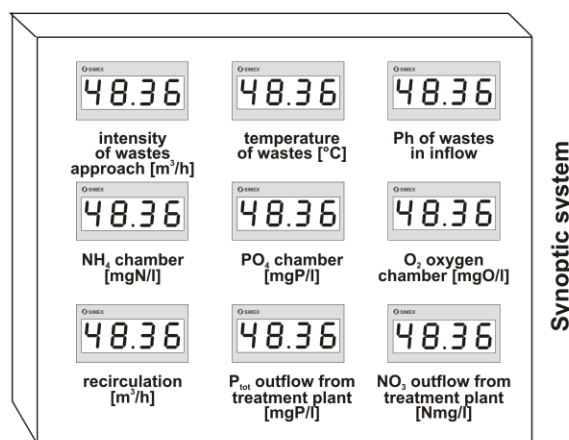


The PAD-73S efficiency indicators are low-cost and affordable panel-mounted digital indicators. They are available in three versions: current/voltage (-A), temperature (-T, description on page 1.2.1) and without analog input, only with serial input (-S, description on page 1.4.1). The 16-bit A/D converters 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.

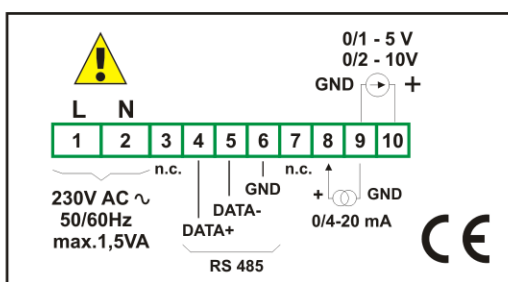
- input type defined from menu (current or voltage),
- all parameters are freely programmable from the PC or remote control (measurement range, indication filtering range).

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 \pm 10%, 230V AC \pm 10% or 10...30V DC
Power consumption: for 110V AC and 230V AC: max. 1,5 VA; for 10...30V 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 (25 °C): \pm 0,1 % FSO
Tolerance band (0...50°C): max. 0,25 % FSO
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...50°C or -20...50°C (on special request)
Storage temperature: -10...70°C
Protection class: IP 40 (front side); IP 20 (case and connection clips)
Case: board
Case material: NORYL UL94V-0
Case dimensions: for 10...30V 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
Board thickness: max. 5 mm

Ordering

PAD-73S-X-XX5-N1*

options:

- 00 : no options
- 08 : operating temp. -20...50°C

power supply:

- 1 : 10...30V DC
- 2 : 230VAC
- 8 : 110V AC

* When configuration of the device should be set by BD|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 PMT-15