BD|SIMEX
a division of **BD|SENSORS**

PA-400

- **loop-powered meter in a small case**
- **4 x 13 mm LED display**
- **optional alarm output available**
- **peak values detection**
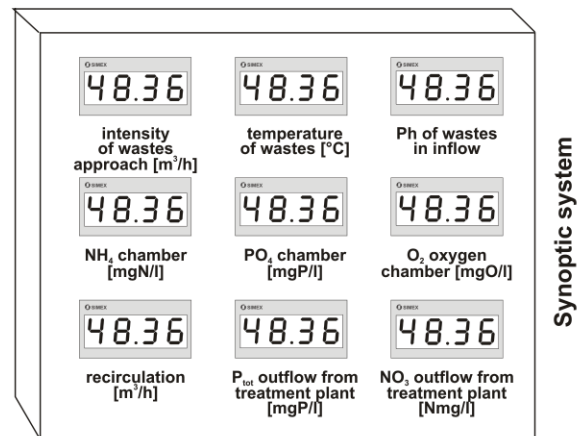
IR remote controller PMT-15

CE

PA-400 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 from -999 to 9999, with definable decimal point position. 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).

- supply from the current loop,
- detection and visualization of the peak values,
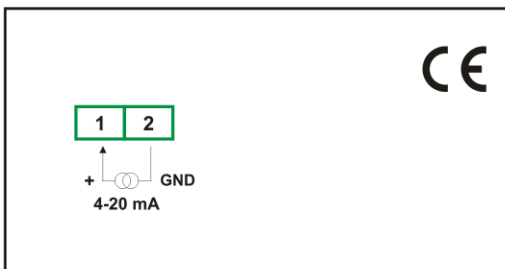- IR remote controller as accessory.

Typical applications

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

48.36	**48.36**	**48.36**
intensity of wastes approach [m³/h]	temperature of wastes [°C]	Ph of wastes in inflow
48.36	**48.36**	**48.36**
NH₄ chamber [mgN/l]	PO₄ chamber [mgP/l]	O₂ oxygen chamber [mgO/l]
48.36	**48.36**	**48.36**
recirculation [m³/h]	P$_{tot}$ outflow from treatment plant [mgP/l]	NO₃ outflow from treatment plant [Nmg/l]

Synoptic system

Examplary pin assignment

CE

1	2

+ GND
4-20 mA

Technical data

Power supply: from measurement line, min. current 3.5 mA, max. voltage drop 7V
Display: LED, red, 4 x 13 mm high
Input: current 4-20 mA, overload-protected, input current limited to about 50 mA
Displayed values range: -999 ÷ 9999 plus decimal point
Accuracy: 0.1% @25°C
Stability: 50 ppm/°C
Data memory: non-volatile memory, EEPROM type
Operating temperature: 0°C ÷ +50°C (standard), -20°C ÷ +50°C (option)
Storage temperature: -10°C ÷ +70°C, -20°C ÷ +70°C (with option **08**)
Protection class: IP 40 (front side); IP 20 (case and connection clips)
Case: board
Case material: NORYL UL94V-0
Case dimensions: 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

Ordering

PA-400-XX5-N1

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

Accessories

IR remote controller PMT-15

V.10.04.1