BASI

LOOP POWERED DIGITAL INDICATOR BLP74L
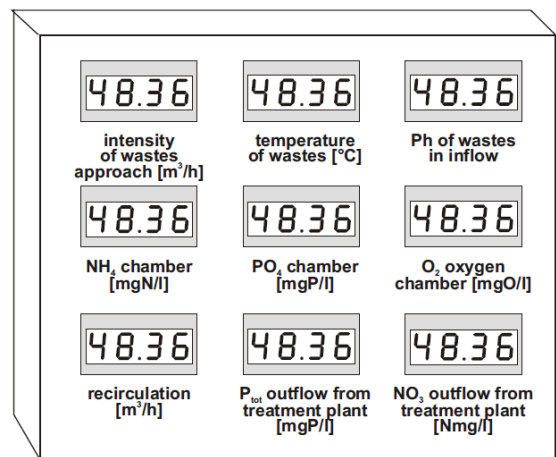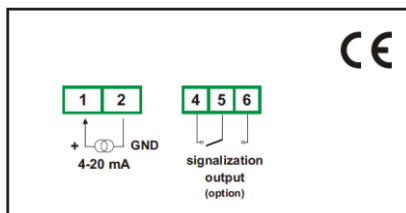## (Size 72 x 36mm)

- **Loop-powered meter**
- **Measurement input 4-20 mA**
- **Optional alarm output available**
- **Peak values detection**
- **4-digit LED 13mm height**
- **Programmable measuring range**
- **Programmable digital filter**
- **Configuration via IR remote controller**
- **IR programmer as accessory**

IR programmer SIR-15

DESCRIPTION

BLP74-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 from -999 to 9999, with definable decimal point position. The device can be equipped with optional SPDT relay, and signalisation of its state by LED on front panel. Due to users safety reqirements this output can drive a bulb lamp as well sound signalling 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). Remote controller is not a part of the BLP74-L and is available on request as optional equipment.

Synoptic system

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]

TECHNICAL SPECIFICATIONS

Construction : Panel design to standard DIN 72 x 36mm
Wiring : Screw terminals at rear panel
Housing : NORYL UL94V-0
Isolation : Input to supply for 230 and 110VAC
Indication : Red LED 4-digit height, 13mm.
Power supply : Signal powered
Input : 4-20 mA, overload-protected, input current limited to about 50 mA
Display : -999 ÷ 9999 plus decimal point
Output (option): 1 x relay SPDT 30V/500 mA, resistive load
Data memory: non-volatile memory, EEPROM type

REMOTE CONTROLLER

IR programmer SIR-15

CONNECTION

| 1 | 2 | | 4 | 5 | 6 |
+ ⊙ GND
4-20 mA   signalization output (option)

INSTALLATION

Supply : None (signal powered)
Ambient temp : -0 to +50°C, RH 0 to 85%
Storage temp : -10 to+70°C
Mounting : Panel with bracket
Protection class : IP40, (option IP65) IP20 rear
Dimension : B72 x H36 x D77mm
Weight : 80g

PERFORMANCE

Accuracy error : $< \pm 0.05\%$ FS
Display : Red LED 4-digit height, 13
EMC : EN 50081-1, EN 50082-2, EN 61010-1
EN 61010-1/A2:1999

ORDER INFORMATION

BLP-74-L-9-**XX**1

options:
00 : no options
01 : IP 65
0M : signalization output