

Turbidity monitor BAMOPHOX 436



Panel mounting (main device)



Wall mounting (main device)

- Alphanumeric back lighted LCD display

- 2 models available:

Panel mounting 72 x 144 (436E)

Wall mounting IP 65 (436M)

- 3 relay outputs (Normally Open contacts)

- 1 relay output for system alarm

- 2 analogical outputs 0/4-20mA

- Scales

NTU, FAU, mg/L, g/L, FNU

From 0.000 to 9999

- OPTIONS:

RS 422 /J-BUS + LOGGER (MMC card)

Extension for a 2nd measurement input,
displayed values on the lower line)

EXTENSION TERMINAL

An extension terminal (wall, panel mounting or DIN rail mounting):

- Allows a second measurement parameter (pH, Conductivity, Chlorine, dissolved Oxygen, Turbidity, Flow, and any 4-20 mA, depending of the model)

- Data from this blind BAMOPHOX are displayed on the main device (on the second line display).

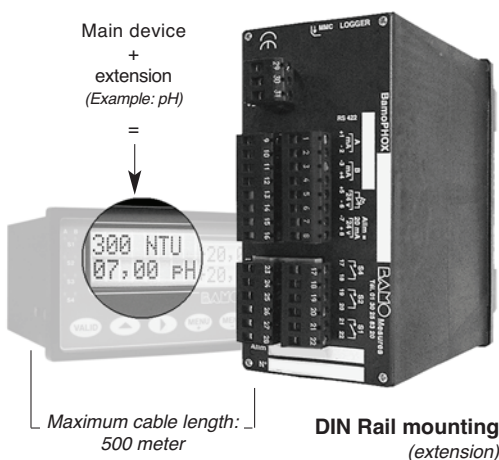
- A 4 wires shielded cable is necessary to link both instruments (maximum length of 500 m)

- The options RS422 and the data logger are shared between both BAMOPHOX.

- Rail DIN mounting instrument (436 D/A).

DESCRIPTION

The BAMOPHOX 436 offers high flexibility on use mixing different built-in programmes for regulation, thresholds, temperature compensation, and alarms. The 2 lines back lighted display, 16 alphanumeric characters, gives an easy measurement and temperature reading in any conditions. It also displays the configuration menu and settings of thresholds, analogical outputs, operation data modes. To allow a quick and easy diagnostic after configuration a simulation program is built-in with direct actuation on contacts outputs, and analogical outputs. A copy of the signal on the 4-20 mA output is galvanic insulated; it can be set up within all scales of the parameter. Temperature measurement is also available on a 4-20 mA.



BAMO MESURES

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Turbidity monitor
BAMOPHOX 436

19-05-2008

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TECHNICAL FEATURES

| | |
|------------------------|---|
| Displayed parameters: | Measurement values of Turbidity - Configuration Menu - Temperature value |
| Display: | Back lighted - 2 lines of 16 alphanumerical characters ; 9,2 mm high |
| Indication: | LED alarms status |
| Configuration: | 8 push buttons keyboard on front face - Keyword protected |
| Units: | NTU, FAU, mg/L, g/L, FNU |
| Scale | Set up from 0.001 to 9999, adjustable decimal point |
| Turbidity measurement: | input 0/4-20 mA |
| Temperature: | input for a 3 wires Pt 100 Ohm/0°C |
| Relay outputs: | 4 closing contacts (Silver alloy), voltage free 3 programmable independent thresholds - with adjustable hysteresis 0...100% - and adjustable timer from 0 to 9999 sec 1 Output relay (S4) as a common alarm for: - open loop - Pt 100 Ω dysfunction |
| Contact: | Switching capacity 250 V / 3A AC, 30 V / 3A DC, minimum 100 mA / 5 V DC |
| Measurement output: | 0/4-20 mA (maxi 600 Ω) proportional to measurement, galvanic insulated |
| Temperature output: | 0/4-20 mA (max 600 Ω), scaling 0...100°C, galvanic insulated |
| Main power supply: | 230 V AC / 50-60 Hz [other on request] - Consumption 10 VA |
| Models: | Panel mounting, front IP65, 72 x 144 mm, connections on screw terminal IP40 Idem DIN Rail mounting, only for blind monitor, IP40 Wall mounting, IP65, cable glands, connections on screw terminal |

OPTION (RS 422 + Logger)

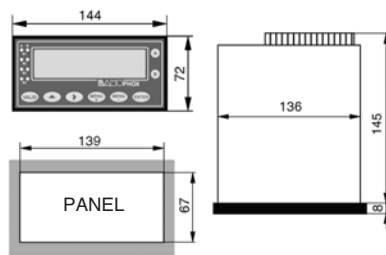
| | |
|----------------|---|
| Communication: | RS422 output, J-BUS link, binary slave mode, 2400 to 9600 bauds |
| Data Logger: | Cycle average measurement record, with a programmable period, 150000 records on MMC (multi media card) / External driver necessary for reading |

CE label

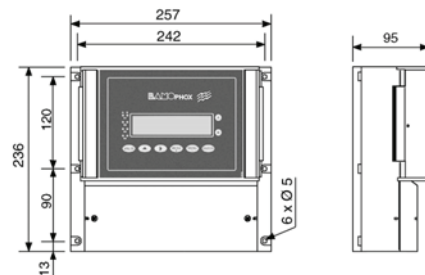
labeled CE in conformity with 73/23/CEE low power and electromagnetic compatilby 89/336/CEE

ENCOMBREMENTS

Extension terminal:
identical to the panel
or wall mounting
BAMOPHOX



Panel mounting instrument



Wall mounting instrument

CODES AND REFERENCES

| Code | Reference | Desigation |
|---------|------------------------|--|
| 436 100 | BAMOPHOX 436 E | Panel mounting 72 x 144 - IP 65 front panel - screw terminal IP40 |
| 436 101 | BAMOPHOX 436 E/A | Panel mounting 72 x 144 / Extension blind monitor - screw terminal IP40 |
| 436 103 | BAMOPHOX 436 D/A | DIN Rail mounting / Extension, blind monitor - screw terminal IP40 |
| 436 150 | BAMOPHOX 436 E LOG BUS | Panel mounting 72 x 144 / RS422 + logger - IP 65 front panel - screw terminal IP40 |
| 436 300 | BAMOPHOX 436 M | Wall mounting - IP 65 - cable glands, connections on screw terminal |
| 436 301 | BAMOPHOX 436 M/A | Wall mounting - IP 65 / Extension, blind monitor - cable glands, connections on screw terminal |
| 436 100 | BAMOPHOX 436 M LOG BUS | Wall mounting - IP 65 / RS 422 + LOGGER - cable glands, connections on screw terminal |

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