

# Free Chlorine monitor BAMOPHOX 192



Panel mounting (main device)



Wall mounting (main device)

- Alphanumeric back lighted LCD display
- Friendly using menu
- Ranges from 0 to 5 mg/l for free chlorine and -20...+160°C for temperature
- 2 analogical outputs 0/4-20mA, galvanic insulated
- 3 relay outputs (Normally Open contacts)
- 1 relay output for system alarm
- 1 input to switch on Stand-by the regulation
- 2 models available:  
  - Panel mounting 72 x 144
  - Wall mounting IP 65
- OPTIONS:  
  - Extension for a 2nd measurement input

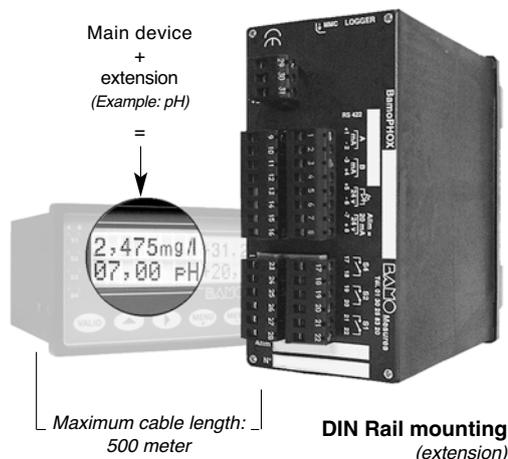
### EXTENSION TERMINAL

An extension terminal (wall, panel mounting):

- Allows a second measurement parameter (pH, Conductivity, 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)

### DESCRIPTION

The BAMOPHOX 192 is specially designed for monitoring swimming pool and spa waters and also for drinkable waters. It 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. The output signal of 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 output ; this output is useless when PID regulation is in function.



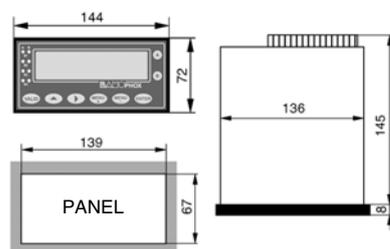
DIN Rail mounting (extension)

## TECHNICAL FEATURES

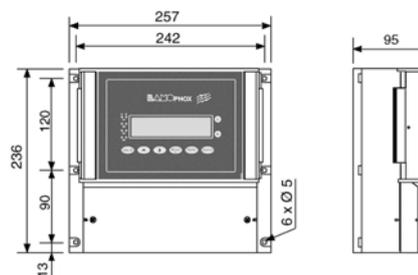
Displayed parameters:	Measurement values of free chlorine concentration - Configuration Menu - Temperature value
Display:	Back lighted - 2 lines of 16 alphanumeric characters ; 9,2 mm high
Indication:	LED alarms status
Configuration:	8 push buttons keyboard on front face - Keyword protected
Range:	0 to 5 mg/l [0...5 ppm]
Accuracy	±0.3% of the scale
Temperature input:	For a 3 wires Pt 100 $\Omega$ /0°C; accuracy ±0.3°C if a convenient probe is used.
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 $\Omega$ dysfunction
Contact:	Switching capacity 250 V / 3A AC, 30 V / 3A DC, minimum 100 mA / 5 V DC
ON/OFF Regulation:	Pulse time 0...9999 sec - High and low proportional bandwidth, high and low dead zone.
PID Regulation:	Proportionality 0...200% - Integrant and Derivative 0...999 second
Calibration sequence:	Relay outputs inhibited, analogical outputs stand on last values
Measurement output:	0/4-20 mA (maxi 600 $\Omega$ ) proportional to measurement, galvanic insulated
Temperature output:	0/4-20 mA (max 600 $\Omega$ ), range -20...+160°C ±0.3°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 Wall mounting, IP65, cable glands, connections on screw terminal

## DIMENSIONS

**Extension terminal:**  
identical to the panel  
or wall mounting  
BAMOPHOX



Panel mounting instrument



Wall mounting instrument

## CODES AND REFERENCES

Code	Reference	Designation
192 500	BAMOPHOX192 E	Panel mounting 72 x 144 - IP 65 front panel - screw terminal IP40
192 501	BAMOPHOX192 E/A	Panel mounting 72 x 144 / Extension blind monitor - screw terminal IP40
192 510	BAMOPHOX192 M	Wall mounting - IP 65 - cable glands, connections on screw terminal
192 511	BAMOPHOX192 M/A	Wall mounting - IP 65 / Extension, blind monitor - cable glands, connections on screw terminal

**BAMO MESURES**

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**BAMOPHOX 192**

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192 I1 02 D

pH

192-02/2