

# pH meter BAMOPHOP 113



- Measurement 2...12 / 0...14 pH
- Output 4-20 mA / 0-5 V / 0-10 V
- 24 Vdc power supply
- DIN rail mounting

## APPLICATIONS

Low-cost solution for pH measurement and transmission to a PLC.

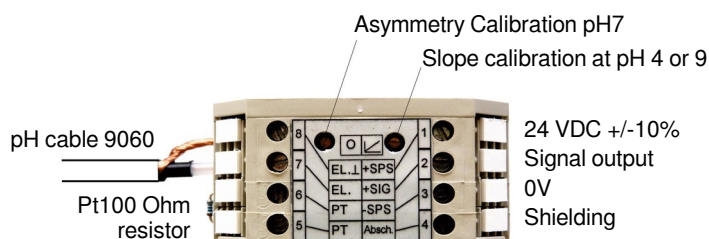
## DESCRIPTION

The BAMOPHOP 113 is a pH transmitter without display, designed for installation on a DIN rail in a cabinet. It converts pH measurements into an analog signal of 0/4-20 mA, 0-5 V, or 0-10 V.

A Pt100 Ohm input is available for temperature compensation of the pH. If no external probe is connected, a 110 Ohm resistor (supplied) must be used to ensure compensation at 25 °C.

## TECHNICAL DATA

|                     |                                                                                      |
|---------------------|--------------------------------------------------------------------------------------|
| Input measurement   | 2...12 / 0...14 pH                                                                   |
| Power supply        | 24 VDC +/- 10% stabilized (standard)<br>12 VDC +/- 10% stabilized (Option)           |
| Output              | 4...20 mA / 0...5 V / 0...10 V<br><i>Refer to transmitter's identification plate</i> |
| Consumption         | 70 mA max                                                                            |
| Ambient temperature | 0...60 °C                                                                            |
| Accuracy            | +/- 1 %                                                                              |
| Temperature input   | Pt 100 Ohm 2 wires                                                                   |
| Protection rate     | IP20                                                                                 |
| Dimensions          | 75 x 60 x 30 mm (P x H x I)                                                          |
| Weight              | 70 g                                                                                 |



If there is no connection to an external temperature sensor, it is necessary to connect a 110 Ohm resistor.

## CODE NUMBERS AND REFERENCES

| Code    | Reference       | Output    |
|---------|-----------------|-----------|
| 113 220 | BAMOPHOP 113-20 | 4...20 mA |
| 113 210 | BAMOPHOP 113-10 | 0...10 V  |
| 113 205 | BAMOPHOP 113-05 | 0...5 V   |

**BAMO** INTERNATIONAL

22, Rue de la Voie des Bans · Z.I. de la gare · 95100 ARGENTEUIL

Tel +33 (0)1 30 25 83 20 Web [www.bamo.eu](http://www.bamo.eu)

Fax +33 (0)1 34 10 16 05 E-mail [export@bamo.fr](mailto:export@bamo.fr)

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**BAMOPHOP 113**

15-04-2025

D-113.02-EN-AC

pH

113-02/1