

# MODEL 9240

**pH or ORP in-line electrode holder**



**INSTRUCTION MANUAL**

**BAMO MESURES**

22, Rue de la Voie des Bans - Z.I. de la Gare - 95100 ARGENTEUIL  
Tél : (+33) 01 30 25 83 20 - Web : [www.bamo.fr](http://www.bamo.fr)  
Fax : (+33) 01 34 10 16 05 - E-mail : [info@bamo.fr](mailto:info@bamo.fr)

**pH or ORP  
in-line electrode holder**

**MODEL 9240**

27-02-2009

140 M1 02 D

**MES**

**140-02/1**

## TECHNICAL FEATURES

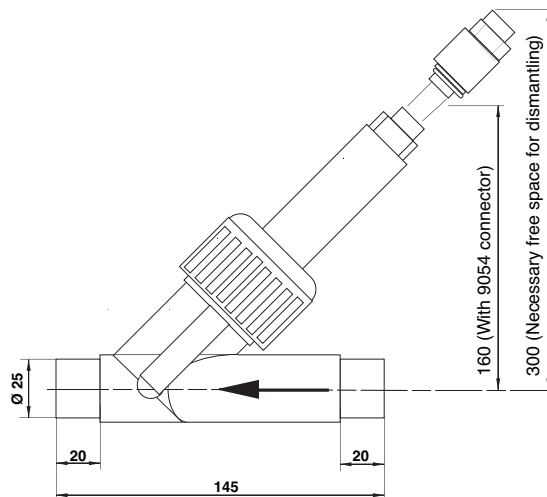
Maximal temperature:	50°C
Maximal pressure:	7 bar at 20°C
Process connection:	socket ends, Ø 25 mm, to glue on site Options: threaded socket, flanges ND20 mm
Electrode mounting:	PG 13.5
Construction:	PVC

## WARNING

The holder 9240 in PVC should not be in use with a temperature over 50°C.  
The pressure limit is 7 bar but it can be less according to the electrode in use.  
The flow-rate is limited to 500 L/h as a maximum.  
Please check that all limits are valid with your process for the cell and accessories (fluid, concentration, pressure and temperature).

## DESCRIPTION

The holder 9240 allows pH or ORP measurement with a flow through mounting.  
The installation is easy: please, respect the recommendations in "§ MOUNTING".  
It is necessary that the sensor has a connection PG 13.5, and a length under the thread of 120 mm.



## CELL MOUNTING

The holder 9240 is in-line installed with the fluid flowing in the same way as shown by the arrow on the housing.  
Necessary distance free for dismantling is 300 mm: please see the drawing.

The electrode should be on the top: this will avoid wetting the cable or the head electrode when maintenance is done.

When maintenance operation is necessary, you may not be able to open the cell if the process is still running. Better is to install the cell on a by-pass line with stop valves down stream and upstream. For pipe diameters above 25 mm, the probe has to be inserted on a bypass line with a ball valve or with an elbow to create a pressure drop insuring a better liquid flow.

Before to glue on PVC tubing, clean from grease the contact surface.

If flange connection type is installed, check before use if there is a leakage of fluid.

## ELECTRODE MOUNTING

Take care during mounting the glass electrode.

**The cable connection to the electrode is done with a special pH – ORP cable with a 9054 connector (specific manual available).**

## CALIBRATION AND MAINTENANCE

When system is operational, it is easy to calibrate the electrode, please shut off the flow of liquid and let the pressure slow down.  
For calibration proceed as mentioned in the electrode or BAMOPHOX manual.