

# MODEL 9200

**pH or ORP Continuous flow cells**



## INSTRUCTION MANUAL

**BAMO MESURES**

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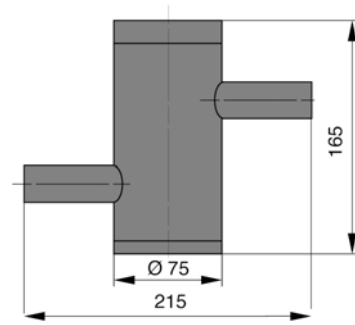
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**MES**

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## TECHNICAL FEATURES

Temperature limits	PVC: from 0 to 50°C PPH: from 0 to 100°C
Pressure limits:	Atmospheric
Connections	PVC: ND 20 - Ø 25 male socket end, flanges or socket end union on request  PPH: ND 20 free flanges as a standard
Calibration:	Possible without electrode dismantling – removable bottom part on all holders.



## WARNING

The cells in PVC should not be in use with a temperature over 50°C; for PPH cells, the limit is 100°C.

The pressure limit is 1 bar but it can be less according to the electrode in use.

Please check that all limits are valid with your process for the cell and accessories (fluid, concentration, pressure and temperature).

## DESCRIPTION

The 9200 cells allow pH or ORP measurement with a flow through mounting.

These cells are designed to receive gel type electrodes for low pressure with a process connection PG 13.5

With their removable bottom, the installation is easy installation and maintenance operations limits the break risk of electrode.

Fluid inlet and outlet allow keeping the electrode always in liquid.

They are able to receive a temperature sensor type 9090 on a second thread.

## CELL MOUNTING

The flow through cell 9200 is in-line installed with the fluid inlet on the lower connection.

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.

- Before to glue on PVC tubing, clean from grease the contact surface.
- Glue or weld on to a compatible plastic pipe.
- 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.

If there is no room enough above the cell to mount the electrode, you can dismantle the cell, unscrewing the tap.

Then the mounting should be easier. Close tightly the cell with precaution.

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. Then it is easy to unscrew the bottom of the cell. There, the sensor appears for a visual check up and to be plunge in buffer solutions (this should be done at least once a month).

