

PH METER REDOX (ORP) METER

PR75 is a state of the art control instrument that allows accurate pH or Redox (ORP) measurement in industrial applications.

EASY TO CONFIGURE

Thanks to its micro switches it is easy to configure and it does not need to enter upon a programming phase.

EASY TO CALIBRATE

The calibration has never been so easy: the instrument recognizes the buffer solutions, carries out the calibration suspending the dosage and indicating the state of efficiency of the electrode.

UNIVERSAL POWER SUPPLY

The instrument accepts power supplies from 22 to 265 Vac.

PROTECTION DEGREE IP 65

The PR-75 series is protected by the polypropylene molded enclosure that protects the cables and the electronics, included the BNC connector for the connection of the electrode.

GALVANIC SEPARATION OF THE 4...mA OUTPUT

This is the ideal solution for connecting with a recorder or a data acquisition system without any interference.



The high technology of the microprocessor allows the control instrument to perform the following functions:

pH Measure	0...14,00 with decimal or centesimal resolution
REDOX Measure	-1000...+1000
Calibration	Automatic with electrode quality indication
2 programmable SET POINTS	Minimum – Maximum or Alarm
REGULATIONS	See table available models
mA output	4...20 mA not isolated for Measure or Regulation (mA output with galvanic separation on request)



Mod. A



Mod. B



Mod. C

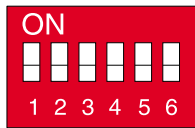
Depth 95 mm

Two available models:

Model	Regulations
PR75A wall 144x144x90	T On-Off, Time control
	P On-Off, Proportional 4...20 mA
PR75B panel 144x144x90	T On-Off, Time control
	P On-Off, Proportional 4...20 mA
PR75C panel 96x96x95	T On-Off, Time control
	P On-Off, Proportional 4...20 mA

CALIBRATION

SIMPLICITY OF CONFIGURATION



The use of micro switches allows to configure the principal options in a simple and immediate way:

- Type of measure: pH or Redox
- Function of the set point: high or low
- Alarm: NO or NC
- Programming of the parameters: Enabled or disabled



During the simple operations of calibration, the instrument automatically:

- Blocks the dosage;
- Recognizes the buffer solutions;
- Carries out the calibration procedure.



QUALITY OF THE ELECTRODE



At the end of the calibration phase, the instrument indicates the state of efficiency of the electrode with a per cent value.

UNIVERSAL POWER SUPPLY

22...265V

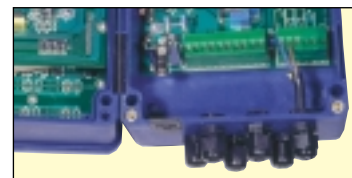
The instrument works indifferently with power supply from 22 to 265V - 50/60 Hz - 4W.

DIRECT KEYBOARD FUNCTIONS



The simplicity of use of this instrument is highly exalted by the possibility of direct keyboard access to many fundamental functions.

PROTECTION DEGREE IP65



The instruments enclosure are protected in order to allow the use in industrial environments, thanks to the sturdy container that protects both the cabling connectors and the connection of the electrode.



The specially designed gaskets for diameter size wires 3 and 5 mm allows to connect the cable directly inside the instrument with the BNC connector on it.

REGULATION



Version T (time control)



Version P (proportional 4...20 mA)

The 75 series can carry out different types of regulation, choosing between the following versions:

- Model T with output of regulation ON/OFF or proportional time control;
- Model P with output of regulation ON/OFF or proportional 4-20mA

DISPLAY



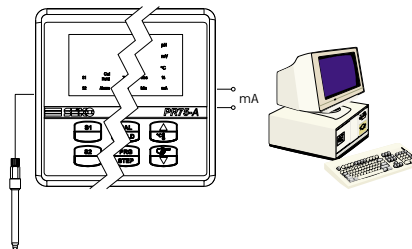
The instrument uses a LCD display with high contrast with characters of 15mm. An important characteristic of the display is the possibility of visualizing, without any alteration, at temperatures from -20 to +70°C. The flashing backlighting indicates the alarm state making it visible in any application condition.

RESOLUTION



During the reading of the pH value, it is possible to configure the instrument in order to have a decimal or centesimal resolution.

GALVANIC SEPARATION



The galvanic separation of the output 4-20 mA is the ideal solution in order to avoid interference when you have to connect with a data acquisition system, PLC or recorder. It is supplied, on request, on the whole range.