



ISO9001 Certified supplier

Eutech pH/ORP Controllers



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AlphaScan C/CX Microprocessor based PH/ORP Controller & Transmitter

The AlphaScan series of controller/transmitters are compact economical microprocessor based units that are designed for use in industrial processes such as the monitoring and control of pH, chlorine or ozone. Applications range from effluent treatment to mineral water bottling. These controller/transmitters incorporate many useful features.

pH/ORP selectable operation means the same versatile instrument can be used for either function.

Two set point relays are provided that can be connected to control external devices such as high/low alarms or solenoid valves.

Hysteresis control allows operation of relays without rapid on/off relay operation by providing an adjustable dead band around the set points.

Simple operation – very easy to use.

Optional 4-20mA output provides proportional control or data logging.

Large easy to view LED display.

On-line calibration can be done without having to remove the probe for the process stream. Simply calibrate the controller by shifting the offset to show the actual pH of the stream. Output is held constant during the whole process.

Non-volatile memory protects your important data even in case of power failure.

Password - protects functions and setpoints from unauthorised tampering while the process parameter remains visible and units status can be checked..

Electrodes and PT100 temperature compensation sensor are ordered separately. Eutech Cybernetics provides a wide range of industrial process electrodes. Please contact Contamination Control to select the correct process electrodes and buffer or ORP calibration solution.



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INSTRUMENTS
Technology Made Easy ...

Specifications		CX	C
pH range	0.0 to 14.0 pH	✓	✓
Resolution	0.1 pH	✓	✓
Relative accuracy	+/-0.1 pH	✓	✓
ORP (mV) range	-1270 to + 1270mV	✓	✓
Resolution	10mV	✓	✓
Accuracy	+/-10mV	✓	✓
Temperature	0 to 100°C	✓	✓
Resolution	1°C	✓	✓
Relative accuracy	+/-1°C	✓	✓
Sensor	PT100	✓	✓
Output (4-20mA)	Selectable pH/mV	✓	NA
Display	LED 2½ digit	✓	✓
Outputs	Screw terminal	✓	✓
Power Requirement	120/240 vac	✓	✓
Input impedance	10 ¹²	✓	✓
Input Bias Current @ 25°C	50pA max	✓	✓
Operating range	0 to 50°C	✓	✓
ATC (PT100)		✓	✓
User selectable ATC value		✓	✓
Calibration values	pH4.0/7.0/10.0/ORP	✓	✓

Dimensions

Panel cutout: 45 x 95mm
 Front panel dimensions: 48.5 x 96.5mm
 Depth: 150mm (allow 20mm for connections at rear)

Ordering information

AlphaScan	Description	Code No.
Controller	PH/ORP controller	EC-C-100
Controller & Transmitter	PH/ORP controller & transmitter	EC-CX-100

Warranty

The AlphaScan series controller/transmitters are warranted against manufacturing defects for a period of 12 months.

