



C3000/3000.001 Controller

The **C 3000/3000.001 Conductivity/Resistivity controller** is a micro-processor based instrument with a very sophisticated software yet, very simple to use.

The controller can be used in many applications such as **High Purity water, Microelectronics industry, Electroplating, Pharmaceutical industry, Water treatment, waste water, Process applications, CIP systems** and many more.



Software features:

- ❖ Scaling in nS, mohm, micro-siemens, milli-siemens, % and g/l.
- ❖ Autoranging.
- ❖ Temperature readout.
- ❖ Software Filter.
- ❖ Calibration parameters display.
- ❖ Automatic or manual temperature compensation.
- ❖ Table of high purity water stored into the microcomputer.

Electrical and mechanical features:

- ❖ Isolated output:
 - 0/20 mA or 4/20 mA selectable
 - programmable input on the span.
- ❖ Automatic or manual operation
- ❖ Dual set-point with hysteresis, delay and min/max programmable functions.
- ❖ Alarm:
 - min/max and delay programmable
 - on Set-points timing
- ❖ Automatic overload protection and reset
- ❖ Extractable terminal block.
- ❖ 96X96 housing.

Technical Specifications:

PARAMETER	RANGE/UNITS/DESCRIPTION	
	C-3000	C-3000.001
Controller		
Units/Range	0-2, 0-20, 0-200, 0-2000 micro-S	0-18 Mohm, 0-2000 micro-S, Autoranging.
	0-20, 0-200, MS, 0-2 Siemens	
Scales	Micro-siemens, Milli-siemens, %, g/L	Mohm, nS, Micro-siemens
Resolution	Scale dependant	
Accuracy	+/- 1% of the reading	
Power Supply	110/220 +/- 10 %, 50/60 HZ	
Inputs	Conductivity sensor Pt-100	Conductivity/Resistivity Sensor Pt-100
Temp. Comp.	Automatic, selectable from 1-2.5%/deg. C	
K factor	0.1, 1.0, 10	0.01, 0.05, 0.1, 1.0
Outputs	3 – SPDT, 5A, dry contact for control & alarm	
Analog Output	isolated 4-20 mA r	
Display	LCD, 1X16	
Enclosure	Panel mount, 96x96 housing	

For electrode selection, please see our electrodes brochure with models CTCE, LC and the electrodeless conductivity sensors Model ECE-CPVC and ECE-PEEK.

A Pt-100 ohm temperature compensation should be ordered for this controller.

An IP-65 wall mount can be ordered by selecting the word E by the end of the P.N.