



HEFER SYSTEMS & CONTROLS LTD.

- WATER & WASTE WATER TECHNOLOGIES
- PROCESS ANALYTICAL EQUIPMENT

C 5000 Conductivity Controller

The **C 5000** conductivity 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 micro-siemens & milli-siemens
- ❖ 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-points with hysteresis, delay and min/max programmable functions
- ❖ Alarm:
 - ✓ min/max & delay programmable
 - ✓ on set-points timing
- ❖ Automatic overload protection and reset
- ❖ Extractable terminal blocks
- ❖ 96X96 (1/4" DIN) housing

Technical Specifications:

PARAMETER	RANGE/UNITS/DESCRIPTION
Units/Range	0-20, 0-200, 0-2000 micro-siemens / 0-20, 0-200 milli-siemens
Scales	micro-siemens / milli-siemens
Resolution	Scale dependable
Accuracy	+/- 1% of the reading
Power Supply	110/220 +/- 10%, 50/60 HZ
Inputs	Conductivity sensors Pt-100/1000
Temp. Comp.	Automatic, selectable from 1-2.5% / deg. C
K factor	0.1, 1.0, 10
Outputs	3-SPDT, 5A, dry contact, control & alarm
Analog Output	Isolated 4-20 mA
Display	L.E.D
Enclosure	Panel mount, 96X96 housing

For choosing the electrode, please refer to the electrodes brochures for models CTCTE, LC and the electrodeless conductivity sensors model ECE-CPVC & 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. A splash proof – clear door can be ordered by selecting the word D by the end of the P.N.