



## HEFER SYSTEMS & CONTROLS LTD.

- WATER & WASTE WATER TECHNOLOGIES
- PROCESS ANALYTICAL EQUIPMENT

# pH/ORP 5000 Controller

The **pH/ORP 5000** 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 **Water treatment, Food industry, Swimming pools, Biotechnology, Waste water** and many more.



### Software features:

- ❖ Temperature readout.
- ❖ Calibration parameters display.
- ❖ Set-point and alarm conditions display.
- ❖ Automatic or manual Temperature compensation.
- ❖ Operating mode: automatic and manual.

### Electrical and mechanical features:

- ❖ 0/20 mA or 4/20 mA programmable isolated output.
- ❖ Dual set-points with hysteresis, delay and min/max programmable functions.
- ❖ Min/max and set points timing alarm relay.
- ❖ EEPROM parameter storage.
- ❖ Automatic overload protection and reset
- ❖ Extractable terminal blocks.

### Technical Specifications:

PARAMETER	RANGE/UNITS/DESCRIPTION	
Input	<b>pH</b>	<b>ORPO</b>
Units/Range	0-14	+/-1000mv
Resolution	0.01 pH units	1MV
Accuracy	+/- 1% of the reading	
Power Supply	85-264 VAC +/- 10 %, 50/60 HZ	
Inputs	pH elect., Antimony, Pt 100/1000	ORP electrode
Temp. Comp.	-10 - 110 deg. C	No T.C
Outputs	3 – SPDT, 5A, dry contact for control & alarm	
Analog Output	1 – Isolated 4-20 Ma for pH or ORP	
Display		
Enclosure	Panel mount, 96X96 housing	

For choosing the electrode, please refer to the electrodes brochures.

Please choose a Pt-100/1000 T.C for this instrument.

For an IP-65 wall mount enclosure, please add the letter E at the end of the P.N.

For a splash proof – clear door, please add the letter D at the end of the P.N.