



HEFER SYSTEMS & CONTROLS LTD.

- WATER & WASTE WATER TECHNOLOGIES
- PROCESS ANALYTICAL EQUIPMENT

pH/ORP 3000.010 Dual input controller

The **pH/ORP 3000.010** 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 plants, Swimming pools, Waste water plants (industrial & municipal).**



Software features:

- ❖ Sensors Autoclean.
- ❖ Dual input from:
 - pH electrode (Glass or Antimony)
 - ORP electrode
- ❖ Input from Pt-100.
- ❖ pH/mV/Temperature readout
- ❖ Software filter.
- ❖ Operating mode: automatic and manual
- ❖ Calibration parameters display
- ❖ Set-point and alarm conditions display.
- ❖ Automatic or manual Temperature compensation.

Electrical and mechanical features:

- ❖ Dual isolated output:
 - 0/20 mA or 4/20 mA selectable
 - pH/ORP/°C selectable
- ❖ Dual set-point (pH/ORP selectable) with selectable action:
 - ON/OFF
 - PFM proportional Pulse Frequency Modulation
 - PWM proportional Puls Width Modulation with hysteresis, delay and min/max programmable functions.
- ❖ Min/max and set points timing alarm relay.
- ❖ Automatic overload protection and reset
- ❖ Extractable terminal blocks.
- ❖ 96X96 (1/4" DIN) housing.

Technical Specifications:

| PARAMETER | RANGE/UNITS/DESCRIPTION | |
|---------------|-----------------------------------------------------------|---------------|
| Input | pH | ORP |
| Units/Range | 0-14 | +/-1000mv |
| Resolution | 0.01 pH units | 1MV |
| Accuracy | +/- 1% of the reading | |
| Power Supply | 110/220 +/- 10 %, 50/60 HZ | |
| Inputs | pH elect., Antimony, Pt 100 | ORP electrode |
| Temp. Comp. | -10 - 110 deg. C | No T.C |
| Outputs | 4 – SPDT, 5A, dry contact for control, alarm & Auto clean | |
| Analog Output | 2 – Isolated 4-20 mA for pH or ORP or Temp. | |
| Display | LCD, 1X16 | |
| Enclosure | Panel mount, 96X96 housing | |

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

Please choose a Pt-100 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.

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