

pH Controller

KE - pH 1000

Product Datasheet

SPECIFICATIONS

Measuring Range (pH)	0.00 - 14.00 scale, 0.01pH resolution, +/- 0.01 accuracy, +/- 1 digit
Measuring Range (Temperature) *	0.0-200.0°C, 0.1°C resolution, +/- 1.0°C accuracy
Clock	Internal Clock, 24 Hr format, +/- 1 min / month accuracy
Logger	Internal Logger can save up to 60 pH & Temperature values with corresponding Date & Time
Calibration Mode	Up to 3 points with any NIST standard and TCT standard buffers
Analog Output 1	4-20mA corresponding to pH, +/- 0.1mA accuracy, 0.1mA resolution, maximum load 500Ω
Analog Output 2*	4-20mA corresponding to temperature, +/- 0.1mA accuracy, 0.1mA resolution, maximum load 500Ω
Relays	1 (HI) – 200 VDC, 0.5A – On/Off Programmable 2 (LO) – 200 VDC, 0.5A – On/Off Programmable
Display	Large Graphical LCD (128x64) with adjustable Contrast and Adjustable Backlight
Dimensions (Volume Based)	L x W x D (113.5mm x 113.5mm x 83mm)
Mounting Type	Panel Mount
Panel Cutout Size	L x W (93mm x 93mm)
Temperature Rectification*	2-wire & 3-wire Pt1000 RTD auto/manual
Power Requirement	+12 - 24 VDC (maximum up to 35 VDC)
Weight (Assembly)	≈ 255 Grams
Encapsulation	Electronic Circuit can be encapsulated with epoxy coating to work in corrosive environment on user request
IP Class Protection	IP 65 (In Panel Mount Installation)



INTRODUCTION

pH 1000 Series Controller is a microprocessor based controller used to analyze and control pH parameter in various water application. **pH 1000** provides set point values and relay for High-Low signal.

pH 1000 series is simple to control through its 6-buttons control panel.

The backlit LCD contrast can be adjusted to user requirement. Provided logging function can save parameter values with respect to time.

APPLICATIONS

- REVERSE OSMOSIS
- BOILER WATER
- COOLING WATER
- CLOSED LOOP SYSTEM
- DRINKING WATER
- TEXTILES CHEMICALS
- WASTE WATER



* Temperature analog output feature in KE-pH 1000 will be added upon user's request.