

PH500

DESKTOP LCD MODEL



OVERVIEW

These instruments use a special high input impedance input stage for accurate and fast pH/ORP/DO measurement. Special electronics ensure that the input impedance is in excess of 10 ohms. This ensures that there are minimum losses due to the high input impedance of the pH/ORP/DO probes. Since pH is a function of temperature a RTD (PT100) temperature measurement circuitry is built-in. Temperature compensation can be programmed to be automatic or manual. Automatic compensation can be programmed for each 5° segments.

Automatic calibration is provided for fast calibration. User can perform a two point calibration using the automatic calibration method. Each meter has two memorized buffer values for fast convenient and accurate calibration.

FEATURES



- Desktop model
- pH, Temperature, mV Indication
- Programmable automatic Temperature compensation
- 16 Char LCD display
- Very High Input Impedance
- Programmable relay outputs
- 4-20mA / RS485 output




SPECIFICATIONS

Model	pH500
Range	pH: 0.00 to 14.00 pH / Temperature: 0 to 100 °C
Resolution	pH: 0.01 pH / Temperature: 0.1 °C
Display	16 Char LCD
Indication Modes	pH, mV, Temperature
Temperature Sensor	PT100
Calibration	Automatic 1 or 2 point with 3 memorized buffers
Temperature Compensation	Automatic / Manual Compensation. Programmable for each 5° steps
Input Impedance	$>10^{12}$ Ohms
Operating Temperature	0 - 50° C
Storage Temperature	-40 - 85° C
Relative Humidity	5% - 95% RH (non-condensing)
Output	1 or 2 relays
Optional Output	RS485 / MODBUS / 4-20mA
Programmable Parameters	Programmed from keypad. Stored in non-volatile memory
Voltage	220 V ~ AC \pm 15%
Frequency	50 / 60 Hz
Power Consumption	Less than 2 Watts



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