pH Indicators

OVERVIEW

CPH 100 instruments use a special high input impedance input stage for fast and accurate pH measurement. Special electronics ensure that the input impedance is in excess of 1012 ohms. Thisensures that there is minimum error due to the extremely high output impedance of the pH sensors.

Since pH is a function of Temperature a PT100 RTD type input is provided for temperature measurement. Temperature compensation can be programmed for each 5 Deg segments.Relay output sare provided for a larm indication as well as control action.

Automatic calibration is provided for fast field calibrationOptional features. include RS485 with MODBUS networkcapabilities.Optional 4-20mA output can be programmed between any desired

ADVANTAGES

- ➤ pH / Temperature Indication
- ➤ Programmable automatic Temperature Compensation
- ➤ Field Programmable through four keys
- ➤ Very High Input Impedance (>1012 Ohms)
- ➤ 41/2 digit LED display
- ➤ 4 Programmable Setpoints operating 2 relays
- ➤ Programmable 4-20mA output
- ➤ RS485 / MODBUS Network
- ➤ 96x96 Panel Mount Enclosure

PH 100 SPECIFICATIONS

Power supply	220 VAC ± 10 % / 110V AC / 24VDC (Factory settable only)
Power	2 Watt maximum
Indication	5 digit LED's with two mode indicating LED's
No of Channels	2 (pH, Temperature)
Signal Type	1.pH probe
	2.Temperature Sensor PT100 RTD
Conversion Type	Linear with segmented Temperature compensation
Operating Temperature	0 to 50 Deg C
Storage Temperature	0 – 60 °C
Humidity	0 – 85% non condensing
Accuracy	pH: +- 0.5%
	Temperature: +- 1 Deg C
Relay Outputs	Up to 4 with 8 user defined setpoints (2 per relay)
Program Variables	Saved in non-volatile EEPROM. No battery backup necessary. Data retention 100 years maximum
Programming Method	From keypad provided in the instrument / RS485/MODBUS
Housing	96x96x110 mm Panel mount ABS Plastic