

# PH300

## GRAPHICAL LCD PH INDICATOR



### 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 12 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

- pH, Temperature, mV Indication
- Conductivity, TDS, Temperature Indication
- ORP, mV, User Programmable Variable, Temperature Indication
- DO %, User Programmable Variable, Temperature Indication
- Monitor any 3 parameters at a time
- Programmable temperature compensation
- 128 x 64 graphic displays
- USB interface
- Touch Sensitive Keypad
- Easy multipoint calibration
- Inbuilt data logging with RTC
- Sensor Calibration/Change Data
- Configurable graph on the graphical display
- Time based alarms



## SPECIFICATIONS

Model	pH Desk
Range	pH: 0.00 to 14.00 pH / Temperature: 0 to 100 °C
Resolution	pH: 0.01 pH / Temperature: 0.1 °C
Display	128 x 64 Graphical LCD Display
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 <sup>12</sup> 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 ±15%
Frequency	50 / 60 Hz
Power Consumption	Less than 2 Watts



Ph: +91 44 2482 7879   
sales@gsv-microtech.com   
www.gsv-microtech.com   
3/531/A Kundrathur Road, Madanandapuram,   
Porur, Chennai - 600 116. India.



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