

# CHEMLABS

## Microcontroller Based pH Meter Model PC 501

### *Features*

- A high precision calibration of pH / mV meter **up to 5 buffers or calibration points**
- Industry standard NIST and CUST
- Data storage on pH Meter and computer if connected for on-line / process monitoring
- Optional computer connectivity (RS 232)
- Auto buffer selection
- SLOPE definition for each set of buffers



### *Software specifications*

- Continuous graphical representation of pH, mV and Temp
- User selectable sampling data recording interval
- Histogram representation of pH, mV and Temp with standard deviation over a time frame
- Statistical presentation with date and time

### *Specifications*

pH range	0-14 pH
Resolution	± 0.01 pH
Accuracy	± 0.01 pH
Calibration	5 Points / NIST – 1.68, 4.01, 6.86, 9.18, 12.45 buffers CUST – User Settable, 5 buffers
mV Range	1000 to +1000 mV
Resolution	±0.1 mV
Accuracy	± 0.1 mV (upto 199.9 mV); 1 mV (for above 200 mV)
Temperature Correction	Auto Temperature Correction with built-in or built-out temperature probe. Manual Temperature correction
Computer Connectivity	RS-232 connection with Software for Data transfer, Review and Printout from Computer / Online monitoring of pH with Time and Date
Recorder Output	Analog signal output for direct recording on a recorder
Display	Multi-parameters (pH, mV, °C/°F) pH Value, mV Value, Degree Centigrade (°C), Degree Fahrenheit (°F)
Electrode	pH Combination Type, Option for Reference Electrode, Self Diagnosis for Auto indication for Electrode Status, Built-in Temperature Probe

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## *Other products from Chemlabs and Mayura Analytical*

- **Gas Chromatographs** for various applications including **Portable models**
- **Head Space Auto Sampler** for volatile organic compounds / residual solvents
- **Chromatography Integrator and Data Station for GC & HPLC** - Dual Channel
- **Auto Titrator** for Potentiometric, Amperometric, Redox, Argentometric, Complexometric and Karl Fisher Titrations with 21 CFR Part 11 compliance
- Microcontroller based **Karl Fisher Titrator** for Moisture Estimation
- **HPLC Column Ovens** for heating and cooling purposes
- **Temperature Programmed Desorption unit (TPD/ TPR)** for catalyst characterisation
- **High Purity Gas Generators** for Hydrogen, Nitrogen and Zero Air
- **Ultrasonic Baths** from 3.5 litres to 500 litres of any shape and size
- **Ozone Generator** for sanitising and cleaning purposes as well as industrial purposes.
- **Oxygen Monitor** for measuring ambient Oxygen levels (wall mountable and portable models with built in alarm system for health and safety concerns)
- **Digital pH Meters** with 2 Points and Microcontroller based up to 5 Points Calibration
- **Digital Conductivity and TDS Meter** for Pure Water testing
- **General Accessories and Spares for Chromatography**
- **Electrodes** for any application - pH, Conductivity etc.

*Please note that Chemlabs and Mayura Analytical LLP are sister concerns*