

LT-50 Microprocessor pH Meter Graphical Display

Technical Specifications

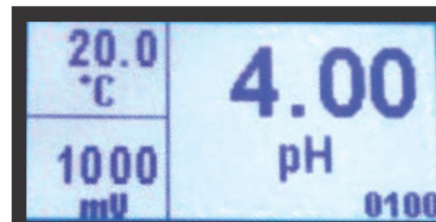
Range	: 0.00-14.00 pH
Resolution	: 0.01 pH
Accuracy	: ± 0.01 pH Relative
Slope Adjustment	: 80% to 120% (default 100%)
Temp. Compensation	: 0 to 100 °C (auto/Manual)
Auto buffer recognition	: 4.00, 7.00 & 9.20
Calibration	: 2pt and 3pt Auto/Manual using software mV
Range	: -1999 to 1999 mV
Resolution	: 1 mV
Accuracy	: $\pm 0.1\% + 1$ digit
Calibration	: 2 point manual using software

Temperature:

Range	: -20 to 200 °C
Resolution	: 0.1 °C
Accuracy	: $+ 0.1\%$ of range + 1 digit
Calibration	: 2 pt manual using software
Sensor	: PT100 probe

General:

Display	: 128x64 graphical LCD with backlight
Data entry	: By 5 soft touch keys
Storage	: 1000 samples
Real Time Clock	: 24 hour mode with date
Interface	: USB for PC
Print format	: All data and date wise (user selectable)
Digital Output	: USB
Power Supply	: 230V AC $\pm 10\%$ 50 Hz



**Large Graphical
LCD Display**



**Rotational
Electrode Arm**

Other Features:

- * Simultaneous display of temperature, pH, mV, pH calibration type, and sample number.
- * Automatic shift to manual mode for temperature compensation in case the temperature is more than 100 deg C for pH measurement.
- * Icon based graphical menu for easy navigation.
- * USB interface for transferring data to PC.
- * Large font size of pH for easy reading of pH data.
- * Display of stored data on GLCD with date and time.
- * Error codes while pH calibration – “S.BUFF” in case the same buffer is used again or “U.BUFF” in case the buffer value is other than 4.00, 7.00 and 9.20.
- * Error codes in case of ORP calibration – “ORP ERROR” if same value is being again for calibration.
- * Error codes in case of temperature calibration: “T. ERROR” if same value is used again for calibration.

Print Format

SPNo	Date & Time	pH	mV	Temp (degC)	Mode
0001	06/01/15 13:20	7.00	00000	027.9	Auto
0002	06/01/15 13:20	7.00	00000	027.9	Auto
0003	06/01/15 13:20	7.00	00000	027.9	Auto
0004	06/01/15 13:20	7.00	00000	028.0	Auto