



pH Indicating Controller cum Transmitter

MS pH 97



FEATURES

- Advanced Embedded Microcontroller Based Design
- Panel Mounting
- Easy Front Key Calibration
- Auto / Manual Temperature Compensation
- LED indication for relay status
- Set Point – 4 Nos (Special Logic)
- 4 digit, 14mm High Intensity Red LED Display
- pH Sensor Slope Indication (Healthiness of pH Sensor)
- 4 to 20 mA DC Isolated Output
- RS 485 Isolated Output (Optional)

DESCRIPTION

MicroSet pH Indicating Controller Transmitter Model MS pH 97 is used for various industrial applications. MS pH 97 is a convenient and cost effective solution for monitoring and maintaining pH value. It can accept input from any pH sensor. MS pH 97 output is in the form of Analogue 4-20 mA DC or MODBUS RS 485 RTU (Optional). Online pH indication provided through LED is easily readable. 2 Nos Relay Outputs are provided to operate Alarm, Solenoid Valve, Pump etc. 4 Nos Setpoints for Relays can be programmed using Frontal Keypad.

TECHNICAL SPECIFICATION

| | |
|--------------------------|---|
| pH Range | : 0 - 14 pH |
| Temperature Range | : 0 to 149.9°C |
| pH Resolution | : 0.01 pH |
| Temperature Resolution | : 0.1°C |
| pH Accuracy | : ± 0.01pH |
| Temperature Accuracy | : ± 1°C |
| pH Repeatability | : ± 1 LSB |
| Display | : 4 Digit, 14 mm Red LED |
| Set Point | : 4 Nos (Special Logic) |
| Calibration | : 2 Point / 3 Point |
| Output | : 2 Isolated Relays (230 V AC / 5 A) |
| Retransmission Output | : Isolated 4-20 mA DC (Isolated RS 485 Optional) |
| Temperature Compensation | : Auto (PT-100) Manual (Adjustable 0 to 149.9°C) |
| Power Supply | : 230 V AC ±10%, 50 Hz |
| Enclosure MOC | : ABS |
| Dimesnions | : 96 x 96 x 65 mm |
| Weight | : 0.48 kg |

APPLICATION

| | |
|--------------------------------|-----------------------------------|
| Water Treatment Plant (WTP) | Wastewater Treatment Plant (WWTP) |
| Effluent Treatment Plant (ETP) | Sewage Treatment Plant (STP) |
| RO Water Plant | Power Plant |
| Hydroponics | Chemical Industry |
| Textile Industry | Paper & Pulp |
| Beverages / Food Industry | Pharma Industry |
| Scrubber Application | Pigment Industry |
| Steel Industry | Aqua Culture |

DIMENSIONAL DIAGRAM



PANEL CUT OUT DIMENSIONS

