

## pH Controller Model 100pH



Model 100pH Controller is a panel mounted DIN size instrument with 3½ Digit LCD. Indicates pH when attached to a pH electrode. The membrane key pad Mode Switch in front allows indication of normal pH, Limits for Acid/Base together with additional alarm limits for Acid/Base. In addition, a Consent contact output is provided to be used in conjunction with an ORP Controller for ORP dosage.

### SPECIFICATIONS

Display	: 3½ Digit LCD 12.5mm
Range	: 0.00-14.00pH
Auto Temp. Comp.	: 0-100°C with PT100 sensor (Pin 3&4). Resistance provided for 25°C
Set Limits	: 0-14.00 pH for Acid and Base
Alarm Limits	: 0-14.00 pH for Acid and Base
Accuracy	: 0.5% ± 1 Digit
Input Impedance	: > 10 <sup>12</sup> Ω
Consent Contact	: ON (closed) when pH is within Acid and Base Limits (Pins 8&9)
Calibration	: Standard pH 7 : 7 ± 1 Slope pH 4 : 4 ± 1
Supply	: 110/220V AC ± 10%
Control Logic	: Acid: pH > Set Limit causes Acid Relay ON (Pins 14&15) Base: pH < Set Limit causes Base Relay ON (Pins 10&11) Alarm: pH > Acid Alarm OR pH < Base Alarm causes Alarm Relay ON (Pins 12&13)
Front Panel Control	: One single touch switch to select sequentially the LCD display indication a. pH (Normal) b. Acid Set Limit c. Acid Alarm Limit d. Base Set Limit e. Base Alarm Limit In case, the equipment is left unattended on any position other than Normal, it automatically reverts to Normal after 30 seconds.
Size	: Front Facia: 96 x 96mm Panel Cut Out: 92 x 92mm Depth: 141mm + 5mm