

# pH METER FOR WASTEWATER



pH is the measure of the hydrogen ion concentration in a liquid. pH measures the acidity or alkalinity of a liquid. The pH scale is logarithmic and runs from 0.0 to 14.0 with 7.0 being neutral. Readings less than 7.0 indicate acidic solutions, while higher readings indicate alkaline or base solutions.



*Specially designed for Waste Water application!*



**pH sensor ETP ECO**

## WHY CHOOSE THIS METER

- **TRACEABILITY** to National Standards
- **PUSH BUTTON FRONT KEYS** for easy set up
- **INDIVIDUAL HIGH & LOW SET POINT RELAY** for alarm or signal to PLC or can be used for proportional acid/alkali dosing
- **PROGRAMMABLE CONTROL DELAY TIME** to prevent chattering
- **HYSTERISIS TO PREVENT RELAY CHATTERING**  
Hysteresis is the percentage of set point below/above which relay will reset after getting energized
- **IN-BUILT DIAGNOSTICS** for wrong calibration or sensor error
- **IN-BUILT ALARM ANNUNCIATOR**  
It's a facility to acknowledge high/low fault condition and reset relays by pressing the acknowledge key
- **MANUAL/AUTOMATIC** relay reset options

- **ECONOMICAL** option for imported pH sensor
- **SUITABLE FOR ALL TYPES OF EFFLUENTS**
- **SPECIALLY DESIGNED ENCLOSURE** ensure least maintenance
- **EASY TO CLEAN SENSOR**
- **UNIVERSAL ENCLOSURE FOR SENSOR** suitable for online as well as tank application

### PO 650 pH Meter

Physical dimensions	105 x 105 x 130mm
Cut-out size	90 x 90mm
Enclosure	ABS weather proof IP- 65
Mounting	Field/ Pipe/ Panel
Input supply	230 V A.C./110 V A.C./ 24 V D.C.
Alarms	Separate LED indication for high & low
Control operation	Alarm/ auto reset/ control
Accuracy	± 2% FSD
Calibration/set point	Using front keypad
Display	4 digit 7 segment LED display Dual Line Backlit LCD(optional)
Output	4-20mA (optional) RS 485 (optional)
Relay	Individual high & low relay 5A@ 230V (programmable through entire range with set-able control delay & hysteresis)

### pH sensor ETP ECO

Overall Dimensions	110mm (L) x 32mm (W)
Type	Tank mounting
Sensor Output	Milli volt
Electrode Material	Glass
Process Connection	20 NB M
Cable	1 Core Shielded 5 meter
Cable Termination	0.75mm <sup>2</sup> lugs
Max. Temperature	0-60°C
	0-100°C (with ATC optional)
Max. Pressure	5 Kg/Cm <sup>2</sup>
Orientation	Vertical
Sensor Holder	MOC: PP

Rev 09.11.2020

