

Dissolved oxygen refers to the level of free, non-compound oxygen present in water or other liquids. It is an important parameter in assessing water quality because of its influence on the organisms living within a body of water.



DO 650

Range: 0 to 10 ppm
Resolution: 0.1

WHY CHOOSE THIS METER

- **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 dosing
- **PROGRAMMABLE CONTROL DELAY TIME TO PREVENT CHATTERING**
- **HYSTERISIS TO PREVENT RELAY CHATTERING**
Hysteresis is the percentage of set point below which relay will reset after getting energized
- **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 option

TECHNICAL SPECIFICATION

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)

ADVANCED OPTIONS AVAILABLE:

- **DUAL LINE BACKLIT LCD** which displays DO value along with relay status
- **RS 485** for online monitoring/ data logging
- **ISOLATED 4-20 mA OUTPUT** with normal/inverse function and in-built current simulator

SENSORS



DO sensor

Overall Dimensions	12mm x 120mm
Type	Flow Through
Sensor Output	Zero Milli Volt in Sodium Sulphate solution, 35-55 Milli Volt in air
Electrode Material	Galvanic
Process Connection	20 NB BSP M
Cable	5 meter low noise shielded cable
Max. Temperature	0-60°C
Max. Operating Pressure	Ambient
Linearity	This is straight line
Installation	Online/Tank

Available with: