

BOD is the measurement of the amount of dissolved oxygen that is used by aerobic micro-organisms to decompose the organic matter in water. A typical healthy river will have 100% saturation of oxygen (8-10mg/l), hence lots of oxygen for micro-organisms to consume organic matter.

COD is defined as the amount of dissolved oxygen to oxidize and stabilize a sample when organic or inorganic matter of sample solution is responsive by a strong chemical oxidant. The COD value indicates the mass of oxygen consumed per liter of solution and expressed in milligrams per liter (mg/L).

BOD & COD are very important water quality parameter within the wastewater industry.



**ASTERO SCAN**

Overall Size	235(H) x 260(V) x 130(D)
Cut Size	190(H) x 222(V)
Enclosure	MS Powder coated enclosure with ABS front plate
Display	20 X 4 Graphic display
Mounting	Wall/ Panel Mount
Supply	24 V D.C.
Input	6 SWITCH INPUTS 2 FEEDBACKS FROM BLOWER 2 FEEDBACKS FROM FILTER FEED PUMP 2 FEEDBACKS FROM TRANSFER PUMP 2 FLOW INPUTS
Outputs	SAMPLING VALVE(POTENTIAL FREE C, NO) ALARM (POTENTIAL FREE C, NO)
Inbuilt sensors for	- TDS                      - TSS - BOD                    - COD - pH

• All dimensions are in mm.  
H- horizontal, V- vertical

## KEY ATTRIBUTES

- **PATENTED TECHNOLOGY** for derivation of parameter
- **EASY Access** to critical settings
- **INTUTIVE USER INTERFACE**
- **4 LINE DISPLAY** for multiple parameter viewing
- **PROVISION TO CONNECT ALARM**
- **READY FOR DATA ACQUISITION OF EXISTING ETP/STP**

## SINGLE UNIT FOR MEASURING MULTIPLE PARAMETER LIKE

- BOD
- COD
- TSS
- TDS
- pH
- TURBIDITY

### OPTIONS TO CONNECT

- DO METER WITH RS485 OUTPUT
- CHLORINE METER WITH RS485 OUTPUT
- ELECTROMAGNETIC FLOW METER WITH RS485 OUTPUT for data logging

- \* REMOTE MONITORING AND DATA LOGGING ARE OPTIONALLY AVAILABLE
- \* PROVISION TO UPLOAD THE DATA ON CPCB SITE OPTIONALLY AVAILABLE

Available with: