

# COD DIGESTER- IPM 1915

## INTRODUCTION:

Water is undoubtedly the most precious natural resource that exists on our planet. Without the seemingly invaluable compound comprised of hydrogen and oxygen, life on Earth would be non-existent. Although we as humans recognize this fact, we disregard it by polluting our rivers, lakes, and oceans. **INSTRUMEX** provides practical solutions for problems like **water pollution**, contamination of water resources by harmful wastes, etc. Chemical Oxygen Demand (COD) is used as a measure of oxygen requirement of a sample that is susceptible to oxidation by strong chemical oxidants.

The Chemical Oxygen Demand is a measure of the oxidizability of a substance expressed as the equivalent amount in oxygen of an oxidizing reagent consumed by the substance under fixed laboratories. The results are expressed of COD in ppm.

## BENEFIT OF THE INSTRUMEX BRAND COD DIGESTER:

The conventional Hot Plate Method has a number of disadvantages. The COD Digester overcomes these disadvantages. This digester has a uniform heating without water circulation. The Timer's auto off system is its unique feature. After completion of digestion, titration can be done by COD Autotitrator or manually.

## FEATURES OF COD DIGESTER MODEL NO. 1915

- MICRO CONTROL SYSTEM IN TIMER AND TEMPERATURE CONTROLLER
- Solid Aluminum block for Uniform heating. 40mm dia. Reaction Vessels
- Setting : Soft Touch Key
- Capacity : 15 Samples
- Sample cap. : 20 ml.
- Temperature : Ambient to 400 °C, +/- 10
- Timer Range : As per your requirement
- Cut off System : Auto off and Buzzer
- Display : LCD Timer & Temperature
- Power : 230 V, Single Phase A/C, 50 Hz.
- Dimension : (410 x 290 x 255) mm.

## REFERENCE:

AS PER I.S. 3025 -1964 & AS PER STANDARD METHOD FOR EXAMINATION OF WATER AND WASTE WATER. COD DIGESTER FOLLOWS THE WELLKNOWN METHOD (APHA) AMERICAN PUBLIC HEALTH ASSOCIATION.



Cooling Tray