

Environmental Engineering Laboratory








2012
Knowledge is Power



Department of Civil Engineering



S. No.	Equipment	Discription
1		<p data-bbox="882 181 1094 219"><u>Digital Balance</u></p> <p data-bbox="882 259 1358 376">Digital Balances are devices used to precisely measure the mass of an object.</p>
2		<p data-bbox="882 427 1059 465"><u>Pipe Fittings</u></p> <p data-bbox="882 506 1378 898">Fittings allow pipes to be joined or installed in the appropriate place and terminated or closed where necessary. Fittings are available in various shapes and sizes. They can be expensive, require time, and different materials and tools to install. They are an essential part of piping and plumbing systems.</p>
3		<p data-bbox="882 943 1222 981"><u>Dissolved Oxygen Meter</u></p> <p data-bbox="882 1010 1378 1238">Dissolved oxygen meters use an electrochemical, polarographic, amperometric, galvanic, or optical sensor to measure the amount of gaseous oxygen dissolved in a water sample.</p>
4		<p data-bbox="882 1283 1038 1321"><u>TDS Meter</u></p> <p data-bbox="882 1361 1378 1709">Multiparameter portable meters have the ability to measure multiple parameters including pH, ORP, dissolved oxygen, conductivity, turbidity, temperature, pressure, and specific ions with the use of either chloride, ammonium or nitrate ISE.</p>
5		<p data-bbox="882 1753 1066 1792"><u>Water Meter</u></p> <p data-bbox="882 1832 1378 2101">A water meter is measures the quantity (volume) of water that passes through a pipe or other outlet. Typically, meters use a standard unit of measure for volume, such as cubic feet or gallons.</p>

6



Dye for Threading

A threading die is a hardened steel cutting tool used to create threads in a pipe. The threads allow the pipe to be joined with another pipe or fixture.

7



Digital pH Meter

An electronic pH meter is used to obtain more accurate pH measurements. A pH meter is an instrument used to measure hydrogen ion activity in solutions - in other words, this instrument measures acidity/alkalinity of a solution.

8



Conductivity Meter

Conductivity meter allows us to measure the level of conductivity in solutions. Conductivity is an ability of materials (solutions, metals or gases) to pass an electric current.

9



Lab Apron (White)

When used in the laboratory, lab coats protect against accidental spills, e.g., acids. In this case, they usually have long sleeves and are made of absorbent material, such as cotton, so that the user can be protected from the chemical.

10



Eye Safety Glass

Safety glasses have shatter-resistant lenses made of materials like polycarbonate or propionate plastic with side shields. They are designed to stop large, physical objects such as wood chips from injuring your eyes.

11



Spirit Lamps

Spirit lamps, also known as alcohol burners, are used to produce an open flame. They are often used in laboratories for the following reasons: Heating substances, Precise heat treatment and Safety

12



Stop Watch

A laboratory stopwatch measures time intervals using specific activation and deactivation points. Analog or mechanical stopwatches are typically controlled by two buttons. The first button starts the timer and the second stops the measurement, and the elapsed time is displayed.

13



Microprocessor Turbidity Meter

A microprocessor turbidity meter measures the clarity of a liquid solution or water. It can also measure the levels of suspended solids and turbidity in water.

14



Turbidity Meter

A turbidity meter, also known as a turbidimeter, is a device that measures turbidity. Turbidity meters are used to monitor water quality in a variety of applications, including: Drinking water, Lakes, Rivers, Mangroves.

15



pH meter (Microprocessor)

A pH meter is an instrument used to measure hydrogen ion activity in solutions .

16



Digital Conductivity Meter

Digital Conductivity Meters are reliable and accurate test instruments for measurement of Conductivity of aqueous solutions. They measure Conductivity and TDS in five ranges. The Resolution is $0.1 \mu\text{S}/\text{cm}$ and 0.1 ppm respectively, in the lowest range.