AILET

Important Scientific Instruments and Their Utility

Aparna Shukla · 12 Jan 2021

Science has helped in making our lives easier and better. The scientific study requires carrying out various experiments and analyzing the data which is obtained. Various instruments act as aids in this pursuit of knowledge. How many of these scientific instruments are you aware of?

Here is a list of some important scientific instruments that you must know about. Remember that this is just a suggestive list and not exhaustive by any counts. Use this as a tool to aid and forward your preparation.



1. Scientific Instrument: Altimeter

Utility: Measures altitude (usually used in aircrafts)

1. Scientific Instrument: Audiometer

Utility: Measures the intensity of sound

1. Scientific Instrument: Bolometer

Utility: Measures heat radiation

1. Scientific Instrument: Colorimeter

Utility: Compares intensity of colours

1. Scientific Instrument: Dynamo

Utility: Converts mechanical energy to electrical energy

1. Scientific Instrument: Electroscope

Utility: Detects presence of an electric charge

1. Scientific Instrument: Hygrometer

Utility: Measures moisture content in the atmosphere

1. Scientific Instrument: Hydrophone

Utility: Converts acoustic energy into electrical energy (used in passive underwater systems.

1. Scientific Instrument: Ohmmeter

Utility: Measures electric resistance in objects

1. Scientific Instrument: Photometer

Utility: Compares the luminous intensity of the source of light

1. Scientific Instrument: Pyrometer

Utility: Measures temperature of a surface (usually used for very high temperatures.

1. Scientific Instrument: Pyknometer

Utility: Determines the density and coefficient of expansion of liquids

1. Scientific Instrument: Radiometer

Utility: Measures the emission of radiant energy (radiant flux of electromagnetic radiation)

1. Scientific Instrument: Refractometer

Utility: Measures refractive index

1. Scientific Instrument:Salinometer

Utility: Determines salinity of solution

1. Scientific Instrument: Seismograph

Utility: Measures the intensity of earthquake shocks

1. Scientific Instrument:Spherometer

Utility: Measures curvature of spherical objects

1. Scientific Instrument: Telescope

Utility: Views distant objects in space

1. Scientific Instrument: Viscometer

Utility: Measures the viscosity of liquids

1. Scientific Instrument: Voltmeter

Utility: Measures the electric potential difference between two points

This article is posted in association with clatapult.com