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## Measuring Instruments & Uses

Instrument	Used for
Accelerometer	It measures physical acceleration
Actino meter	It measures the heating power of sunlight. or measure the intensity of solar radiation
Accumulator	It Used to restore electrical current.
Alcholmeter	It measures the alcoholic strength of liquids
Altimeter	It measures altitude sand is used in aircrafts
Ammeter	It measures the strength of the electric current.
Anemometer	It measures the speed and velocity of the wind.
Apicoiscope	It used to display the opaque photo on the screen
Audimeter	It measures hearing or least audible sound.
Audiometer	It measures the intensity of sound
Audiophone	It is used for improving the imperfect sense of hearing
Aviontimeter	It is used to detect measure the intensity of sun rays.
Avometer	Detect any fault in the radio.
Barkometer	It measures tanning liquors used in tanning leather
Barograph	It measures continuous recording of atmospheric pressure
Barometer	It measures the atmospheric pressure
Beviameter	It measures the mechanical properties of soil
Binocular	The device used to view distant objects.
Bolometer	It measures thermal radiation
Brannok Device	It measures shoe size
Breathalyzer	It measures breath alcohol content Caliper distance
Calorimeter	It measures the quantity of heat
Carburetor	It is used in an internal combustion engine for charging the air with pet vapour.

Cardiogram	It traces movements of the heart. Recorded on a cardiograph
Cathetometer	It measures vertical distances
Callipers	It measured the internal and external diameter of a cylindrical object
Ceilometer	It measures the height of a cloud base
Chronometer	It determines the navigation and longitude of a place.
Chronometer	It measures the right time in ships/streamers
Clapo meter	It measures the volume of applause
Colorimeter	It measures color
Compass	It is an instrument used by the sailors to determine the direction.
Creepmeter	It measures the slow surface displacement of an active geologic fault in the earth
Crescograph	It measures the growth in plants
Cyclotron	A charged particle accelerator can accelerate charged particles high energies
Declinometer	It measures magnetic declination
Densimeter	It measures the specific gravity of liquids
Densitometer	It measures the degree of darkness in photographic or semitransparent material
Dialtometer	It measures volume changes caused by a physical or chemical process
Diffractionmeter	It measures the structure of crystals
Disdrometer	It measures the size, speed, and velocity of raindrops
Dosimeter	It measures exposure to hazards, especially radiation; radiation of item
Dynamo	It converts mechanical energy into electrical energy.
Dynamometer	It measures electrical power
Electricity Meter	It measures electrical energy
Electrometer	It measures the potential difference
Electronic Tuner	It measures the pitch of musical notes
Electroscope	The device that confirms/detects the presence of electric charge.
Ellipsometer	It measures refractive index, dielectric function, the thickness of thin films
Endoscope	It examines the internal parts of the body.

Eudiometer	It used for measuring volume changes in the chemical reaction between gases.
Eudiometer	It measures the change in volume of a gas mixture following combustion
Evaporimeter	It measures the rate of evaporation
Fathometer	It measures the depth of the sea and ocean.
Frequency Counter	It measures the Frequency of Alternating Current
Fuel Gauge	It measures fuel levels
Galvanometer	It measures the low magnitude electric current.
Gas Pycnometer	It measures the volume and density of solids
Geiger Counter	It measures ionizing radiation
Glucometer	It measures blood glucose
Graphometer	It measures angles
Heliometer	It measures the variation of the sun's diameter
Hydrometer	It measures the specific gravity of liquids.
Hydrophone	It measures sound underwater
Hygrometer	It measures humidity in the air
Inclinometer	It measures the angle of a slope
Infrared Thermometer	It measures heat radiated
Interferometer	It measures wave interference
Katharometer	It measures the composition of gases
Kymograph	It graphically records the physical movements of cells.
Lactometer	It determines the purity of milk.
Light meter	It measures light in photography.
Lux meter	It measures the intensity of light.
Magnetometer	It measures the strength of magnetic fields
Manometer	It measures the pressure of gases.
Mass Spectrometer	It measures masses of ions, used to identify chemical substances through their mass spectra
Megger	It measures electrical insulation
Megaphone	It used to throw sound or voice remotely.
Mercury Barometer	It measures Atmospheric pressure
Micrometer	It measures small distances
Microphone	It converts the sound waves into electrical vibrations and magnifies the sound.
Microscope	It is used to obtain a magnified view of a small object.
Multimeter	It measures electrical potential, resistance, and current
Nephelometer	It measures particle in a liquid

Nephoscope	It measures the speed and direction of clouds
Odometer	It measures the distance covered by wheeled vehicles.
Ohmmeter	It measures electrical resistance
Orchidometer	It measures testicle size in male humans
Oscilloscope	It measures oscillations
Osmometer	It determines the concentration of osmotically active particles that reduce the vapor pressure of a solution.
Oximetry	It used to measure the oxygen level (oxygen saturation) of the blood.
Parking Meter	It measures collects money for vehicle parking rights in a zone for a limited time
Pedometer	It measures steps PH meter pH (chemical acidity/basicity of a solution)
Periscope	It is used to view object above sea level (used in submarines)
Phonograph	An instrument for producing sound.
Photometer	It measures the strength of electromagnetic radiation in the range from ultraviolet to infrared and including the visible spectrum. .
Planometer	It measures area
Polarimeter	It measures the rotation of polarized light
Potentiometer	It measures voltage (the term is also used to refer to a variable resistor)
Profilometer	It measures surface roughness Protractor angles
Psychrometer	It measures humidity
Pycnometer	It measures the fluid density
Pyranometer	It measures solar radiation
Pyrheliometer	It measures direct solar insolation
Pyrometer	It measures a very high temperature.
Radar	It measures the speed and direction of far aircraft.
Radiometer	It measures the emission of radiant energy.
Rheometer	It measures response to applied forces
Rain Gauge	An apparatus for recording rainfall at a particular place.
Refractometer	It measures the refractive index.
Rotameter	It measures the pressure of a liquid or gas in a closed tube
Saccharometer	It measures the amount of sugar in a solution
Salinometer	It determines the salinity of the solution.

Seismograph	It measures the intensity of earthquake shocks.
Sextant	This is used by navigators to find the latitude of a place by measuring the elevation above the horizon of the sun or another star.
Spectrometer	It measuring the energy distribution of a particular type of radiation.
Spectrophotometer	It measures the intensity of light as a function of wavelength
Speedometer	It records the speed of a vehicle.
Spherometer	It measures the curvatures of the surface.
Sphygmomanometer	It measures blood pressure
Spirometer	It measures the lung capacity
Stadimeter	It measures object range
Stereoscope	It is used to view two-dimensional pictures.
Stethoscope	It measures heart and lung sounds.
Strainmeter	It measures seismic strain
Stroboscope	It measures to view rapidly moving objects
SWR meter	It measures the standing wave ratio
Tachometer	This instrument used in measuring the speed of aeroplanes and motorboats.
Taximeter	It measures distance traveled, displacement
Telescope	It views distant objects in space.
Tensiometer	It measures the surface tension of a liquid
Theodolite	It measures horizontal and vertical angles.
Thermometer	It measures temperature
Thermostat	This device regulates the temperature at a particular point.
Tiltmeter	It measures minor changes to the Earth
Tintometer	It measures color Vacuum Gauge very low-pressure
Viscometer	Viscometer viscosity of a fluid
Viscometer	It measures the viscosity of liquids.
Voltmeter	It measures the electric potential difference between two points.
Watt Meter	It measures electrical power
Wind Vane	It measures wind direction
Zymometer	It measures fermentation.

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