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Measuring Instruments list PDF

SI No.	Instrument/Device	Used for
1	Accelerometer	It measures physical acceleration
2	Actino meter	It measures the heating power of sunlight. or measure the intensity of solar radiation
3	Accumulator	It is Used to restore electrical current.
4	Alcoholmeter	It measures the alcoholic strength of liquids
5	Altimeter	It measures altitude and is used in aircrafts
6	Ammeter	It measures the strength of the electric current.
7	Anemometer	It measures the speed and velocity of the wind.
8	Apicoiscope	It is used to display the opaque photo on the screen
9	Audimeter	It measures hearing or at least audible sound.
10	Audiometer	It measures the intensity of sound
11	Audiophone	It is used for improving the imperfect sense of hearing
12	Aviontimeter	It is used to detect and measure the intensity of sun rays.
13	Avometer	Detect any fault in the radio.
14	Barkometer	It measures tanning liquors used in tanning leather
15	Barograph	It measures the continuous recording of atmospheric pressure
16	Barometer	It measures the atmospheric pressure
17	Beviameter	It measures the mechanical properties of soil
18	Binocular	The device is used to view distant objects.
19	Bolometer	It measures thermal radiation
20	Brannock Device	It measures shoe size
21	Breathalyzer	It measures breath alcohol content Caliper distance
22	Calorimeter	It measures the quantity of heat
23	Carburetor	It is used in an internal combustion engine for charging the air with pet vapor.
24	Cardiogram	It traces the movements of the heart. Recorded on

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		a cardiograph
25	Cathetometer	It measures vertical distances
26	Calipers	It measured the internal and external diameter of a cylindrical object
27	Ceilometer	It measures the height of a cloud base
28	Chronometer	It determines the navigation and longitude of a place.
29	Chronometer	It measures the right time in ships/streamers
30	Clapo meter	It measures the volume of applause
31	Colorimeter	It measures color
32	Compass	It is an instrument used by the sailors to determine the direction.
33	Creepmeter	It measures the slow surface displacement of an active geologic fault in the earth
34	Crescograph	It measures the growth in plants
35	Cyclotron	A charged particle accelerator can accelerate charged particle's high energies
36	Declinometer	It measures magnetic declination
37	Densimeter	It measures the specific gravity of liquids
38	Densitometer	It measures the degree of darkness in photographic or semitransparent material
39	Dialtometer	It measures volume changes caused by a physical or chemical process
40	Diffractionmeter	It measures the structure of crystals
41	Disdrometer	It measures the size, speed, and velocity of raindrops
42	Dosimeter	It measures exposure to hazards, especially radiation; radiation of item
43	Dynamo	It converts mechanical energy into electrical energy.
44	Dynamometer	It measures electrical power
45	Electricity Meter	It measures electrical energy
46	Electrometer	It measures the potential difference
47	Electronic Tuner	It measures the pitch of musical notes
48	Electroscope	The device that confirms/detects the presence of electric charge.
49	Ellipsometer	It measures refractive index, dielectric function,

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		the thickness of thin films
50	Endoscope	It examines the internal parts of the body.
51	Eudiometer	It used for measuring volume changes in the chemical reaction between gases.
52	Eudiometer	It measures the change in volume of a gas mixture following combustion
53	Evaporimeter	It measures the rate of evaporation
54	Fathometer	It measures the depth of the sea and ocean.
55	Frequency Counter	It measures the Frequency of Alternating Current
56	Fuel Gauge	It measures fuel levels
57	Galvanometer	It measures the low-magnitude electric current.
58	Gas Pycnometer	It measures the volume and density of solids
59	Geiger Counter	It measures ionizing radiation
60	Glucometer	It measures blood glucose
61	Graphometer	It measures angles
62	Heliometer	It measures the variation of the sun's diameter
63	Hydrometer	It measures the specific gravity of liquids.
64	Hydrophone	It measures sound underwater
65	Hygrometer	It measures humidity in the air
66	Inclinometer	It measures the angle of a slope
67	Infrared Thermometer	It measures heat radiated
68	Interferometer	It measures wave interference
69	Katharometer	It measures the composition of gases
70	Kymograph	It graphically records the physical movements of cells.
71	Lactometer	It determines the purity of milk.
72	Light meter	It measures light in photography.
73	Lux meter	It measures the intensity of light.
74	Magnetometer	It measures the strength of magnetic fields
75	Manometer	It measures the pressure of gases.
76	Mass Spectrometer	It measures masses of ions, used to identify chemical substances through their mass spectra
77	Megger	It measures electrical insulation
78	Megaphone	It is used to throw sound or voice remotely.
79	Mercury Barometer	It measures Atmospheric pressure
80	Micrometer	It measures small distances
81	Microphone	It converts the sound waves into electrical

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		vibrations and magnifies the sound.
82	Microscope	It is used to obtain a magnified view of a small object.
83	Multimeter	It measures electrical potential, resistance, and current
84	Nephelometer	It measures particles in a liquid
85	Nephoscope	It measures the speed and direction of clouds
86	Odometer	It measures the distance covered by wheeled vehicles.
87	Ohmmeter	It measures electrical resistance
88	Orchidometer	It measures testicle size in male humans
89	Oscilloscope	It measures oscillations
90	Osmometer	It determines the concentration of osmotically active particles that reduce the vapor pressure of a solution.
91	Oximetry	It is used to measure the oxygen level (oxygen saturation) of the blood.
92	Parking Meter	It measures collects money for vehicle parking rights in a zone for a limited time
93	Pedometer	It measures steps PH meter pH (chemical acidity/basicity of a solution)
94	Periscope	It is used to view objects above sea level (used in submarines)
95	Phonograph	An instrument for producing sound.
96	Photometer	It measures the strength of electromagnetic radiation in the range from ultraviolet to infrared and includes the visible spectrum.
97	Planometer	It measures area
98	Polarimeter	It measures the rotation of polarized light
99	Potentiometer	It measures voltage (the term is also used to refer to a variable resistor)
100	Profilometer	It measures surface roughness Protractor angles
101	Psychrometer	It measures humidity
102	Pycnometer	It measures the fluid density
103	Pyranometer	It measures solar radiation
104	Pyrheliometer	It measures direct solar insolation
105	Pyrometer	It measures a very high temperature.

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106	Radar	It measures the speed and direction of far aircraft.
107	Radiometer	It measures the emission of radiant energy.
108	Rheometer	It measures response to applied forces
109	Rain Gauge	An apparatus for recording rainfall at a particular place.
110	Refractometer	It measures the refractive index.
111	Rotameter	It measures the pressure of a liquid or gas in a closed tube
112	Saccharometer	It measures the amount of sugar in a solution
113	Salinometer	It determines the salinity of the solution.
114	Seismograph	It measures the intensity of earthquake shocks.
115	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.
116	Spectrometer	It measures the energy distribution of a particular type of radiation.
117	Spectrophotometer	It measures the intensity of light as a function of wavelength
118	Speedometer	It records the speed of a vehicle.
119	Spherometer	It measures the curvatures of the surface.
120	Sphygmomanometer	It measures blood pressure
121	Spirometer	It measures the lung capacity
122	Stadimeter	It measures object range
123	Stereoscope	It is used to view two-dimensional pictures.
124	Stethoscope	It measures heart and lung sounds.
125	Strainmeter	It measures seismic strain
126	Stroboscope	It measures to view rapidly moving objects
127	SWR meter	It measures the standing wave ratio
128	Tachometer	This instrument is used in measuring the speed of airplanes and motorboats.
129	Taximeter	It measures distance traveled, displacement
130	Telescope	It views distant objects in space.
131	Tensiometer	It measures the surface tension of a liquid
132	Theodolite	It measures horizontal and vertical angles.
133	Thermometer	It measures temperature
134	Thermostat	This device regulates the temperature at a particular point.

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135	Tiltmeter	It measures minor changes to the Earth
136	Tintometer	It measures color Vacuum Gauge very low-pressure Viscometer viscosity of a fluid
137	Viscometer	It measures the viscosity of liquids.
138	Voltmeter	It measures the electric potential difference between two points.
139	Watt Meter	It measures electrical power
140	Wind Vane	It measures wind direction
141	Zymometer	It measures fermentation.



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