

AI Important Measurements Instrument

ACCELEROMETER acceleration	chemical substances through their mass spectra
ACTINOMETER heating power of sunlight	MULTIMETER electrical potential, resistance, and current
ALCOHOLMETER alcoholic strength of liquids	NEPHELOMETER particle in a liquid
ALTIMETER altitude	ODOMETER distance
AMMETER electric current	OHMMETER electrical resistance
ANEMOMETER windspeed	OSMOMETER osmotic strength of a solution, colloid, or compound
ATMOMETER rate of evaporation	PEDOMETER steps
AUDIOMETER hearing	PH METER pH (chemical acidity/basicity of a solution)
BARKOMETER tanning liquors used in tanning leather	PHOTOMETER illuminance or irradiance
BAROMETER air pressure	POLARIMETER rotation of polarized light
BETTSOMETER integrity of fabric coverings on aircraft	potentiometer voltage (term is also used to refer to a variable resistor)
BEVAMETER mechanical properties of soil	PSYCHROMETER humidity
BOLOMETER electromagnetic radiation	PYCNOMETER fluid density
CALORIMETER heat of chemical reactions	PYRANOMETER solar radiation
CATHETOMETER vertical distances	PYROMETER high temperatures
CEILOMETER height of a cloud base	RHEOMETER response to applied forces
CHRONOMETER time	SACCHAROMETER amount of sugar in a solution
CLAP-O-METER volume of applause	SEISMOMETER seismic waves (for example, earthquakes)
COLORIMETER colour	SEXTANT location on earth's surface (used in naval navigation)
CREEPMETER slow surface displacement of an active geologic fault in the earth	SPECTROMETER properties of light
DECLINOMETER magnetic declination	SPECTROPHOTOMETER intensity of light as a function of wavelength
DENSIMETER specific gravity of liquids	SPEEDOMETER speed, velocity
DENSITOMETER degree of darkness in photographic or semitransparent material	SPHYGMOMANOMETER blood pressure
DIFFRACTOMETER structure of crystals	STRAINMETER seismic strain
DILATOMETER volume changes caused by a physical or chemical process	STADIMETER object range
DISDROMETER size, speed, and velocity of raindrops	TACHEOMETER distance
DOSIMETER exposure to hazards, especially radiation	TACHOMETER revolutions per minute, rate of blood flow
DUROMETER hardness	TAXIMETER distance travelled, displacement
DYNAMETER magnification of a telescope	TENSIOMETER surface tension of a liquid
DYNAMOMETER force or torque	THERMOMETER temperature
ELAEOMETER specific gravity of oils	universal measuring machine geometric locations
ELECTROMETER electric charge	VISCOMETER viscosity of a fluid
EUDIOMETER change in volume of a gas mixture following combustion	VOLTMETER electric potential, voltage
EVAPORIMETER rate of evaporation	WATTMETER electrical power
GALVANOMETER electricity	ZYMOMETER fermentation
GAS PYCNOMETER volume and density of solids	
GRAPHOMETER angles	
HELIOMETER variation of the sun's diameter	
HYDROMETER specific gravity of liquids	
HYGROMETER humidity	
INKOMETER ink	
INTERFEROMETER wave interference	
KATHAROMETER composition of gases	
LACTOMETER specific gravity of milk	
LIGHT METER light (in photography)	
MAGNETOMETER strength of magnetic fields	
MANOMETER pressure	
MASS SPECTROMETER masses of ions, used to identify	