

Basic Units (SI)

Unit	Dimension Symbol	SI
Length	[L]	meter
Mass	[M]	kg
Time	[T]	sec
Current	[I]	Ampere
Temperature	[θ]	Kelvin
Angle	[1]	Radians
Luminous Intensity	[Λ]	Candela

Some Derived Units

Unit	Dimension Symbol	SI
Speed	[L/T]	meters/sec
Acceleration	[L/T ²]	m/sec ²
Force, weight	[ML/T ²]	Newton=kg-m/sec ²
mass density	[M/L ³]	kg/m ³
Pressure (Force/area)	$\left[\frac{ML/T^2}{L^2} \right] = \left[\frac{M}{LT^2} \right]$	Pascal=N/m ²
Energy	[ML ² /T ²]	Joule=N-m=kg-m ² /sec ²