

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