

# SI Units of Measurement

Name	Measurement	Symbol
ampere	electric current	A
ampere per square metre	density	A m <sup>-2</sup>
candela	luminous intensity	cd
candela per square metre	luminance	cd m <sup>-2</sup>
cubic metre	volume	m <sup>3</sup>
cubic metre per kilogram	specific volume	m <sup>3</sup> kg <sup>-1</sup>
kelvin	thermodynamic temperature	K
kilogram	mass	kg
metre	length	m
metre per second	velocity	m s <sup>-1</sup>
metre per second squared	acceleration	m s <sup>-2</sup>
mole	amount of substance	mol
mole per cubic metre	concentration	mol m <sup>-3</sup>
per metre	wave number	m <sup>-1</sup>
second	time	s
square metre	area	m <sup>2</sup>

# Units of Measurement (by SI unit)

A	(ampere) electric current
$\text{A m}^{-2}$	(ampere per square metre) density
cd	(candela) luminous intensity
$\text{cd m}^{-2}$	(candela per square metre) luminance
K	(kelvin) thermodynamic temperature
kg	(kilogram) mass
m	(metre) length
$\text{m s}^{-2}$	(metre per second squared) acceleration
$\text{m s}^{-1}$	(metre per second) velocity
$\text{m}^{-1}$	(per metre) wave number
$\text{m}^2$	(square metre) area
$\text{m}^3$	(cubic metre) volume
$\text{m}^3 \text{kg}^{-1}$	(cubic metre per kilogram) specific volume
mol	(mole) amount of substance
$\text{mol m}^{-3}$	(mole per cubic metre) concentration
s	(second) time