

# SI Units of Measurement

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

# Units of Measurement (by SI unit)

$\text{m}^3$  (cubic metre) volume volume

$\text{m}^2$  (square metre) area area

A (ampere) electric current electric current

$\text{A m}^2$  (ampere per square metre) density density

cd (candela) luminous intensity luminous intensity

$\text{cd m}^2$  (candela per square metre) luminance luminance

K (kelvin) thermodynamic temperature thermodynamic temperature

kg (kilogram) mass mass

m (metre) length length

$\text{m s}^{-2}$  (metre per second squared) acceleration acceleration

$\text{m s}^{-1}$  (metre per second) velocity velocity

$\text{m}^{-1}$  (per metre) wave number wave number

$\text{m}^3 \text{ kg}^{-1}$  (cubic metre per kilogram) specific volume specific volume

mol (mole) amount of substance amount of substance

$\text{mol m}^{-3}$  (mole per cubic metre) concentration concentration

s (second) time time