SI Units of Measurement

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

Units of Measurement (by SI unit)

m^3 (cubic metre) volume
m^2 (square metre) area

A (ampere) electric current
$A\,m^{-2}$ (ampere per square metre) density

cd (candela) luminous intensity
$cd\,m^{-2}$ (candela per square metre) luminance

K (kelvin) thermodynamic temperature
kg (kilogram) mass

m (metre) length
$m\,s^{-2}$ (metre per second squared) acceleration
$m\,s^{-1}$ (metre per second) velocity
m^{-1} (per metre) wave number
$m^3\,kg^{-1}$ (cubic metre per kilogram) specific volume
mol (mole) amount of substance
$mol\,m^{-3}$ (mole per cubic metre) concentration

s (second) time