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)

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