

SI Units of Measurement

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

Units of Measurement (by SI unit)

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^2	(square metre) area
m^3	(cubic metre) volume
$\text{m}^3 \text{kg}^{-1}$	(cubic metre per kilogram) specific volume
mol	(mole) amount of substance
mol m^{-3}	(mole per cubic metre) concentration
s	(second) time