

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)

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

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

mol (mole) amount of substance

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

s (second) time