

SI Units

The International System of Units (abbreviated SI from the French *Le Système International d'Unités*) is the modern form of the metric system and is generally a system devised around the convenience of the number ten. It is the world's most widely used system of units, both in everyday commerce and in science.

The system is nearly universally employed, and most countries do not even maintain official definitions of any other units.

Info from wikipedia.org

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News & Info

April 13,2009

[Unitarium Blog](#)

has been launched. You can expect news, information, articles focused on units of measure soon

April 09,2009

[Time Unit Converter](#)

has been added

February 02,2009

[Energy Conversion Tool](#)

has been added

January 23,2009

[Hour Minute Calculator](#)

has been added

January 07,2009

Data Capacity Converter has been added.

You can expect more calculators, converters and other tools soon.

If you have found any bugs please report it to: bugs [AT] unitarium.com

We will appreciate any comments and suggestions for improving this site. Send them please to: admin [AT] unitarium.com

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There are seven, dimensionally independent, base SI-units and two supplementary units. All other units can be derived from the base ones. Below, you can find the list of the base SI units as well as the list of the derived units.

SI base units list

Unit	Symbol	Quantity
Meter (metre)	m	Length
Kilogram	kg	Mass
Second	s	Time
Ampere	A	Electric current
Kelvin	K	Thermodynamic temperature
Mole	mol	Amount of substance
Candela	cd	Luminous intensity
SI Supplementary Units		
Radian	rad	Plane angle (2D angle)
Steradian	sr	Solid angle (3D angle)

[gebruikte Portakabin unit](#)

Pacemaker, Pullman en Duplex gebouwen

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SI Derived Units			
Unit	Symbol	In SI Units	Quantity
Mechanics			
Pascal	Pa	$\text{kg} \cdot \text{m}^{-1} \cdot \text{s}^{-2}$	Pressure, Stress
Joule	J	$\text{kg} \cdot \text{m}^2 \cdot \text{s}^{-2}$	Energy, Work, Heat
Watt	W	$\text{kg} \cdot \text{m}^2 \cdot \text{s}^{-3}$	Power
Newton	N	$\text{kg} \cdot \text{m} \cdot \text{s}^{-2}$	Force, Weight
Electromagnetism			
Tesla	T	$\text{kg} \cdot \text{s}^{-2} \cdot \text{A}^{-1}$	Magnetic Field
Henry	H	$\text{kg} \cdot \text{m}^2 \cdot \text{s}^{-2} \cdot \text{A}^{-2}$	Inductance
Coulomb	C	A·s	Electric Charge
Volt	V	$\text{kg} \cdot \text{m}^2 \cdot \text{s}^{-3} \cdot \text{A}^{-1}$	Voltage
Farad	F	$\text{kg}^{-1} \cdot \text{m}^{-2} \cdot \text{s}^4 \cdot \text{A}^2$	Electric Capacitance
Siemens	S	$\text{kg}^{-1} \cdot \text{m}^{-2} \cdot \text{s}^3 \cdot \text{A}^2$	Electrical Conductance
Weber	Wb	$\text{kg} \cdot \text{m}^2 \cdot \text{s}^{-2} \cdot \text{A}^{-1}$	Magnetic Flux
Ohm	Ω	$\text{kg} \cdot \text{m}^2 \cdot \text{s}^{-3} \cdot \text{A}^{-2}$	Electric Resistance
Optics			
Lux	lx	$\text{cd} \cdot \text{sr} \cdot \text{m}^{-2}$	Illuminance
Lumen	lm	cd·sr	Luminous Flux
Radioactivity			
Becquerel	Bq	s^{-1}	Radioactivity
Gray	Gy	$\text{m}^2 \cdot \text{s}^{-1}$	Absorbed Dose
Sievert	Sv	$\text{m}^2 \cdot \text{s}^{-1}$	Equivalent Dose
Other			
Hertz	Hz	s^{-1}	Frequency
Katal	kat	$\text{mol} \cdot \text{s}^{-1}$	Catalytic Activity

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