

**Currency****Currency**

US Dollar	USD
Euro	EUR
Japanese Yen	JPY
Swiss franc	CHF
British pound	GBP
Chinese yuan	CNY
Australian dollar	AUD
Canadian dollar	CAD
Indian rupee	INR

**Electricity and Magnetism****Capacitance**

farad	F
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**Current density**

ampere per square meter	A/cm <sup>2</sup>
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**Electric charge**

coulomb	C
ampere hour	A*h

**Electric charge density**

coulomb per cubic meter	C/m <sup>3</sup>
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**Electric conductance**

siemens	S
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**Electric field strength**

volt per meter	V/m
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**Electric potential difference**

volt	V
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**Electric resistance**

ohm	Ohm
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**Electrical current**

ampere	A
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**Inductance**

henry	H
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**Magnetic field strength**

ampere per meter	A/m
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**Magnetic flux**

weber	Wb
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**Magnetic flux density**

tesla	T
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**Permeability**

henry per meter	H/m
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**Permittivity**

farad per meter	F/m
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**Electricity and Magnetism****Permittivity**

farad per meter F/m

**Resistivity**

ohm meter Ohm\*m

**Specific conductivity**

siemens per meter S/m

**Surface charge density**coulomb per square meter C/m<sup>2</sup>**Energy and Power****Celsius temperature**

degree celsius °C

**Energy density**joule per cubic meter J/m<sup>3</sup>**Energy, Work, Heat**

joule J

kilowatt hour kW\*h

electronvolt eV

newton meter N\*m

**Entropy, heat capacity**

joule per kelvin J/K

**Heat flux density**watt per square meter W/m<sup>2</sup>**Irradiance, Heat flux density**watt per square meter W/m<sup>2</sup>**Power, Radiant flux**

watt W

kilo watt kW

**Specific energy**

joule per kilogram J/kg

**Specific heat capacity**

joule per kilogram kelvin J/(kg\*K)

**Thermal conductivity**

watt per meter kelvin W/(m\*K)

**Thermodynamic temperature**

kelvin K

**Light Radiation****Illuminance**

lux lx

**Luminous energy**

lumen second lm\*s

**Luminous flux**

lumen lm

**Light Radiation****Luminous intensity**

candela cd

**Radiance**watt per square meter steradian  $W/(m^2 \cdot sr)$ **Radiant intensity**

watt per steradian W/sr

**Mechanics****Dynamic viscosity**

pascal second Pa\*s

**Flow capacity**

liter per second L/s

**Force**

newton N

**Mass**

gram g

kilogram kg

metric ton t

**Mass density**gram per cubic centimeter  $g/cm^3$ kilogram per cubic meter  $kg/m^3$ **Mass flow**

kilogram per second kg/s

**Momentum**

newton second N\*s

kilogram meter per second  $kg \cdot m/s$ **Momentum of Inertia**kilogram square meter  $kg \cdot m^2$ **Pressure**

pascal Pa

hPa hPa

bar bar

atmosphere, standard atm

**Rotatory momentum, Twist**kilogram square meter times radian per second  $kg \cdot m^2 \cdot rad/s$ **Stream capacity, Flow**cubic meter per second  $m^3/s$ **Surface related mass**kilogram per square meter  $kg/m^2$ **Surface tension**

newton per meter N/m

**Torque**kilogram square meter per second  $kg \cdot (m/s)^2$ 

newton meter N\*m

**Molecular Physics****Base mass**

mass per mole	g/mol
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**Basic Substance**

mole	mol
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**Catalytic activity**

katal	kat
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**One****Percent**

percent	%
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**Radioactivity and ionising Radiation****Absorbed dose**

gray	Gy
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**Absorbed dose rate**

gray per hour	Gy/h
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**Dose equivalent**

sievert	Sv
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**Effective dose rate**

sievert per hour	Sv/h
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**Exposure**

coulomb per kilogram	C/kg
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**Radioactivity**

becquerel	Bq
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curie	Ci
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**Space and Time****Acceleration**

meter per second squared	m/s <sup>2</sup>
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**Angular acceleration**

radian per second squared	rad/s <sup>2</sup>
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**Angular velocity**

radian per second	rad/s
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**Area, Surface**

square millimeter	mm <sup>2</sup>
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square centimeter	cm <sup>2</sup>
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square meter	m <sup>2</sup>
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are	a
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hectare	ha
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square kilometer	km <sup>2</sup>
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square mile	mi <sup>2</sup>
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square inch	in <sup>2</sup>
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square yard	yd <sup>2</sup>
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square foot	ft <sup>2</sup>
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**Frequency**

herz	Hz
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**Space and Time****Frequency**

one per minute	1/min
one per hour	1/h
one per day	1/day
one per year	1/year
one per second	1/s

**Length**

millimeter	mm
centimeter	cm
meter	m
kilometer	km
foot	ft
mile	mi
ångström	Å
inch	in
yard	yd

**Plane angle**

radian	rad
degree	°

**Solid angle**

steradian	sr
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**Specific volume**

cubic meter per kilogram	m <sup>3</sup> /kg
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**Time**

second	s
minute	min
hour	h
day	day
year	year

**Velocity**

meter per second	m/s
kilometer per hour	km/h
nautical mile per hour	kn
meter per minutes	m/min

**Volume**

cubic millimeter	mm <sup>3</sup>
cubic centimeter	cm <sup>3</sup>
cubic meter	m <sup>3</sup>
cubic inch	in <sup>3</sup>
cubic yard	yd <sup>3</sup>
liter	L
cubic foot	ft <sup>3</sup>

**Wavenumber**

one per second	1/s
one per meter	1/m