

Quantity	Unit	Abbreviation
Acceleration	metre per square second	m/s <sup>2</sup>
Active Alkali in Liquor (Effective)	gram NaOH per litre	g NaOH/l
Air Humidity		
-relative	per cent	%
-absolute	gram per cubic metre	g/m <sup>3</sup>
Amount of substance	mole	mol
Angle	degree	°
Area	square metre	m <sup>2</sup>
	square centimetre	cm <sup>2</sup>
	square millimetre	mm <sup>2</sup>
Biological oxygen demand, BOD	milligram per litre	mg/l
	gram per litre	g/l
	ton per day	t/d
Brightness (ISO)	ISO degree	°ISO
	percent ISO	% ISO
Chemical oxygen demand, COD	milligram per litre	mg/l
	gram per litre	g/l
	ton per day	t/d
Compression Strength	newton per square millimetre	N/mm <sup>2</sup>
Concentration	mole per cubic decimetre	mol/dm <sup>3</sup>
	milligram per litre	mg/l
	gram per litre	g/l
	parts per million	ppm
Conductance	siemens	S
Conductivity	millisiemens per metre	mS/m
	siemens per metre	S/m
	microsiemens per centimetre	µS/cm
Consistency	per cent	%
Content, concentration	milligram per kilogram	mg/kg
	kilogram per cubic decimetre	kg/dm <sup>3</sup>
	milligram per cubic metre	mg/m <sup>3</sup>
	gram per litre	g/l
	milligram per normal m <sup>3</sup>	mg/m <sup>3</sup> n
Density	kilogram per cubic metre	kg/m <sup>3</sup>
Dew point	degree centigrade	°C
Dry solids content	per cent	%
Electric charge	coulomb	C
Electric current	ampere	A
	kiloampere	kA
	milliampere	mA
Electric potential	volt	V
	kilovolt	kV
	millivolt	mV

Quantity	Unit	Abbreviation
Electric Power		
-active power	watt	W
	kilowatt	kW
	megawatt	MW
-apparent power	voltampere	VA (W)
	kilovoltampere	kVA (kW)
	megavoltampere	MVA (MW)
-reactive power	var	var (W)
	kilovar	kvar (kW)
	megavar	Mvar (MW)
Electric power factor	cos phi	cos $\phi$
Electrolytic conductivity	siemens per metre	S/m
	millisiemens per metre	mS/m
	microsiemens per centimetre	$\mu$ S/cm
Electrical energy	kilowatt hour	kWh
	megawatt hour	MWh
	gigawatt hour	GWh
	terawatt hour	TWh
Energy, work	kilojoule	kJ
	megajoule	MJ
	gigajoule	GJ
Flow		
-gas	kilogram per second	kg/s
-cooling / heating	litre per second	l/s
-mass	ton per hour	t/h
-ventilation	cubic metre per second	m <sup>3</sup> /s
-volume	litre per minute,	l/min,
	cubic metre per hour	m <sup>3</sup> /h
-liquids	litre per second	l/s
-steam	ton per hour	t/h
-air flows	normal cubic metre per second	Nm <sup>3</sup> /s
	operating cubic metre:	
	-per second	Om <sup>3</sup> /s
	-per minute	Om <sup>3</sup> /min
	-per hour	Om <sup>3</sup> /h
Force	newton	N
	kilonewton	kN
	meganeutron	MN
Freeness of Stock	millilitre	ml, °SR
Frequency	hertz	Hz
	kilohertz	kHz
Grammage	gram per square metre	g/m <sup>2</sup>
Gravity	Newton	N
Hardness of water	milliequivalents per litre	mval/l

Quantity	Unit	Abbreviation
Heat of reaction	kilojoule per kilogram kilojoule per mole	kJ/kg kJ/mol
Heat transfer coefficient	watt per degree and m <sup>2</sup> watt per kelvin and m <sup>2</sup>	W/(°C m <sup>2</sup> ) W/(K m <sup>2</sup> )
Heat, quantity of heat	kilojoule	kJ
Heat capacity	kilojoule per kelvin	kJ/K
-specific heat capacity	kilojoule per degree celsius * kg kilojoule per kelvin * kg	kJ/(°C kg) kJ(K kg )
Heating value	kilojoule per kilogram megajoule per kilogram	kJ/kg MJ/kg
Illuminance	lux	lx
Kappa number	-	-
Length	millimetre metre slope	mm m %
Luminance, Y value	per cent	%
Luminous flux	lumen	lm
Luminous intensity	candela	cd
Mass	ton kilogram gram milligram	t kg g mg
Mass rate flow	kilogram per second (90%) air dry tonne per day bone dry tonne per day	kg/s ADt/d BDt/d
Modulus of elasticity	newton per square millimetre	N/mm <sup>2</sup>
Moisture content	per cent	%
Moment of Force	newtonmetre	Nm
Momentum	kilogram metre per second	kg m/s
pH	pH	pH
Pressure, in general	bar millibar kilopascal megapascal	bar mbar kPa MPa
Absolute pressure	bar (abs) kilopascal (abs) megapascal (abs)	bar (abs) kPa (abs) MPa (abs)
Pressure	without definition:	
-in air ducts	overpressure bar (g) pascal	bar Pa
-low pressure air and gas (flue gas)	millibar, overpressure (g)	mbar
-steam (HP, MP2, MP, LP)	bar, overpressure (g)	bar
-pumps	metre water column	mWC
-in gauges	bar, kilopascal, pascal	bar, kPa, Pa
-underpressure (vacuum)	bar (abs)	bar (abs)

Quantity	Unit	Abbreviation
Radioactivity	becquerel (1/s)	Bq
	kilobecquerel	kBq
-expose dose	coulomb per kilogram	C/kg
-absorbed dose	gray	Gy
-equivalent dose	sievert	Sv
Resistance	ohm	$\Omega$
	kilo-ohm	k $\Omega$
Rotational frequency	rounds per second	1/s
	rounds per minute	rpm, 1/min
Sound pressure level	decibel	dB
Sound pressure level, A-weighted	decibel (A)	dB (A)
Sound pressure level, C-weighted	decibel (C)	dB (C)
Sound power level	decibel	dB
Sound power level, A-weighted	decibel (A)	dB (A)
Sound power level, C-weighted	decibel (C)	dB (C)
Surface load	newton per square metre	N/m <sup>2</sup>
	kilonewton per square metre	kN/ m <sup>2</sup>
Line load	kilonewton per metre	kN/m
Soda recovery boiler, SRB: Reduction of the smelt	percent	%
Stress	kilopascal	kPa
	megapascal	MPa
	newton per square millimetre	N/mm <sup>2</sup>
Temperature	degree centigrades	°C
	kelvin	K
Tension	kilopascal	kPa
	megapascal	MPa
	Newton per square millimetre	N/mm <sup>2</sup>
Thermal conductivity	watt per degree and metre	W/ (°C m)
	watt per kelvin and metre	W/ (K m)
Time	second	s
	minute	min
	hour	h
	day	d
	year	a
Thickness	micrometre	$\mu$ m
Total reduced sulphur, TRS	kilogram per air dried ton	kg(s)/ADt
Total suspended solids, TSS	milligram per litre	mg/l
	gram per litre	g/l
	ton per day	t/d
Velocity	metre per second	m/s
	metre per minute	m/min
Vibration	millimetre per second	mm/s
	millimetre per square second	mm/s <sup>2</sup>

Quantity	Unit	Abbreviation
Voltage	volt	V
	kilovolt	kV
	millivolt	mV
Viscosity		
-dynamic	millipascal second	mPa s
-kinematic	square millimetre per second	mm <sup>2</sup> /s
Volume	cubic metre	m <sup>3</sup>
	litre	l
	millilitre	ml
Volume rate flow	litre per second	l/s
	litre per minute	l/min
	litres per hour	l/h
	cubic metre per day	m <sup>3</sup> /d
	normal cubic metre per hour	m <sup>3</sup> n/h
	normal cubic metre per second	m <sup>3</sup> n/s
Weight	milligram	mg
	kilogram	g
	gram	kg
	ton	t
Basis weight	gram per square metre	g/m <sup>2</sup>
Wet Tension	newton/metre	N/m
IT units		
-bit	bit	b
	mega bit	MBit
	byte	B
	kilobyte=1024B	kB
	mega byte	MB
	giga byte	GB
-painting resolution	dot per inch	dpi
-transmission speed	bits per second	bps