

Weights and Measures
International System (SI) Units with Complex Names

Physical Quantity	SI Unit	Unit Symbol
SI Units Having Complex Names		
Area	square metre	m ²
Volume	cubic metre	m ³
Frequency	hertz*	Hz
Density (Mass Density)	kilogram per cubic metre	kg/m ³
Velocity	metre per second	m/s
Angular Velocity	radian per second	rad/s
Acceleration	metre per second squared	m/s ²
Angular Acceleration	radian per second squared	rad/s ²
Pressure	pascal‡	Pa
Surface Tension	newton per metre	N/m
Dynamic Viscosity	newton second per metre squared	N s/m ²
Kinematic Viscosity	metre squared per second	m ² /s
Diffusion Coefficient		
Thermal Conductivity	watt per metre degree Kelvin	W/(m°K)
Electric Field Strength	volt per metre	V/m
Magnetic Flux Density	tesla†	T
Magnetic Field Strength	ampere per metre	A/m
Luminance	candela per square metre	cd/m ²

*Hz - cycle/second

† T = weber /metre²

‡ Pa = newton / metre²