

4 Summary of the units of the Universal System of Units Standard

Summarizing the above, the units of the Universal System of Units Standard that have characteristic symbols are listed in Table 2.

Table 2: The units of the Universal System of Units Standard that have characteristic symbols

Category	Dimension / Item	Symbol	Value	Comment		
Defining constants	wave number speed action entropy	R_∞ c_0 \hbar k_B		$\equiv 10^{-2}$ Ω_1/D		
Non-coherent supplementary constants	elementary electrical quantity total solid angle of a hypersphere logarithm of an integer universal mole	e Ω_k B_k mol_u	$\Omega_1 = 2\pi \text{rad}$, $\Omega_2 = 4\pi \text{srad}$, $B_1 = \text{bit}$, $B_2 = \text{digit}(12)$ 132.007729 mol	$k \equiv 1, 2, \dots$ $k \equiv 1, z, \dots$		
Base units that are natural units	impedance plane angle logarithmic quantity quantity of substance	Ω_n rad neper mol_n	29.9792458 57.2957795 4.34294482 1	Ω degree dB		
Base units that are not natural units	length time energy thermodynamic temperature	m_u s_u J_u K_u	27.21028842 390.2675219 64.1433465 1.211831	cm ms mJ K	10^8 10^{16} 10^{16} 10^{-4}	\times \times \times \times
Derived units of dynamical quantities	mass work force pressure	g_u W_u N_u P_u	131.950228 164.357378 235.731961 3.18384692	g mW mN Pa	10^{32} 1 10^8 1	10^{-2} 10^{-2} 10^{-2} 10^{-2}
Derived units of electromagnetic quantities	charge electrical current field strength flux density	C_u A_u O_u G_u	28.8965943 74.0430416 272.114137 390.283662	uC mA mA/m mC/m ²	10^{16} 1 10^{-8} 1	10^{-1} 10^{-1} 10^{-1} 10^{-1}