

Measuring units

of the International System of Units

1. Specify the SI unit and its symbol for mass. Specify the multiplier and its symbol for micro (example: atto = 10^{-18} , a).
The SI unit for mass is the kilogram. Its symbol is kg. The multiplier for micro is 10^{-6} . Its symbol is μ .
2. Specify the SI unit and its symbol for length. Specify the multiplier and its symbol for milli (example: atto = 10^{-18} , a).
The SI unit for length is the metre. Its symbol is m. The multiplier for milli is 10^{-3} . Its symbol is m.
3. Specify the SI unit and its symbol for time. Specify the multiplier and its symbol for micro (example: atto = 10^{-18} , a).
The SI unit for time is the second. Its symbol is s. The multiplier for micro is 10^{-6} . Its symbol is μ .
4. Specify the SI unit and its symbol for electrical current. Specify the multiplier and its symbol for milli (example: atto = 10^{-18} , a).
The SI unit for electrical current is the ampere. Its symbol is A. The multiplier for milli is 10^{-3} . Its symbol is m.
5. Specify the SI unit and its symbol for angular velocity. Specify the multiplier and its symbol for kilo (example: atto = 10^{-18} , a).
The SI unit for angular velocity is the radian per second. Its symbol is rad/s. The multiplier for kilo is 10^3 . Its symbol is k.
6. Specify the SI unit and its symbol for frequency. Specify the multiplier and its symbol for tera (example: atto = 10^{-18} , a).
The SI unit for frequency is the hertz. Its symbol is Hz. The multiplier for tera is 10^{12} . Its symbol is T.
7. Specify the SI unit and its symbol for energy, work and heat. Specify the multiplier and its symbol for mega (example: atto = 10^{-18} , a).
The SI unit for energy, work and heat is the joule. Its symbol is J. The multiplier for mega is 10^6 . Its symbol is M.
8. Specify the SI unit and its symbol for power and radiant flux. Specify the multiplier and its symbol for giga (example: atto = 10^{-18} , a).
The SI unit for power and radiant flux is the watt. Its symbol is W. The multiplier for giga is 10^9 . Its symbol is G.
9. Specify the SI unit and its symbol for electrical charge and quantity of electricity. Specify the multiplier and its symbol for femto (example: atto = 10^{-18} , a).
The SI unit for electrical charge and quantity of electricity is the coulomb. Its symbol is C. The multiplier for femto is 10^{-15} . Its symbol is f.

10. Specify the SI unit and its symbol for voltage, electrical potential difference and electromotive force. Specify the multiplier and its symbol for nano (example: atto = 10^{-18} , a).
The SI unit for voltage, electrical potential difference and electromotive force is the volt. Its symbol is V. The multiplier for nano is 10^{-9} . Its symbol is n.
11. Specify the SI unit and its symbol for electrical field strength. Specify the multiplier and its symbol for mega (example: atto = 10^{-18} , a).
The SI unit for electrical field strength is the volt per metre. Its symbol is V/m. The multiplier for mega is 10^6 . Its symbol is M.
12. Specify the SI unit and its symbol for electric resistance, impedance and reactance. Specify the multiplier and its symbol for kilo (example: atto = 10^{-18} , a).
The SI unit for electric resistance, impedance and reactance is the ohm. Its symbol is Ω . The multiplier for kilo is 10^3 . Its symbol is k.
13. Specify the SI unit and its symbol for electrical conductance. Specify the multiplier and its symbol for kilo (example: atto = 10^{-18} , a).
The SI unit for electrical conductance is the siemens. Its symbol is S. The multiplier for kilo is 10^3 . Its symbol is k.
14. Specify the SI unit and its symbol for electric capacitance. Specify the multiplier and its symbol for pico (example: atto = 10^{-18} , a).
The SI unit for electric capacitance is the farad. Its symbol is F. The multiplier for pico is 10^{-12} . Its symbol is p.
15. Specify the SI unit and its symbol for inductance. Specify the multiplier and its symbol for milli (example: atto = 10^{-18} , a).
The SI unit for inductance is the henry. Its symbol is H. The multiplier for milli is 10^{-3} . Its symbol is m.