
The Content Dictionary for SI Dimensions

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EdNote(1)

Symbol gram: Type (dimensions): mass

Symbol meter: Type (dimensions): length

Symbol second: Type (dimensions): time

Symbol Volt: Type (dimensions): charge

Symbol Kelvin: Type (dimensions): temperature

Symbol Celsius: Type (dimensions): temperature

Definition 0.1: For all $x > 0$, we have $xK = (x - 273.15)^\circ\text{C}$

Symbol liter: Type (dimensions): volume

Definition 0.2: $\frac{m^3}{10}$

Symbol centimeter: Type (dimensions): length

Definition 0.3: $1 \cdot m = 100 \cdot cm$.

Symbol kilogram: Type (dimensions): mass

Definition 0.4: $1kg = 1000g$.

Symbol Newton: Type (dimensions): force

Definition 0.5: $1N = 1 \frac{kg \cdot m}{s^2}$.

Symbol Joule: Type (dimensions): energy

Definition 0.6: $J = N \cdot m$.

¹EdNOTE: MK: all of these need proper descriptions.