|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | *symbol* | *SI measurement units* | *symbol* | *unit dimensions* |
| **distance** | ***d*** | **meter** | **m** | **m** |
| **mass** | ***m*** | **kilogram** | **kg** | **kg** |
| **time** | ***t*** | **second** | **s** | **s** |
| **electric charge\*** | ***Q*** | **coulomb** | **C** | **C** |
| **temperature** | ***T*** | **Kelvin** | **K** | **K** |
| **amount of substance** | ***n*** | **mole** | **mol** | **mol** |
| **luminous intensity** | ***I*** | **candela** | **cd** | **cd** |
| acceleration | *a* | meter per second squared | m/s2 | m/s2 |
| area | *A* | square meter | m2 | m2 |
| capacitance | *C* | farad | F | C2.s2/kg.m2 |
| concentration | *[C]* | molar | M | mol/dm3 |
| density | *D* | kilogram per cubic meter | kg/m3 | kg/m3 |
| electric current | *I* | ampere | A | C/s |
| electric field intensity | *E* | newton per coulomb | N/C | kg.m/C.s2 |
| electric resistance | *R* | ohm | Ω | kg.m2/C2.s |
| emf | *ξ* | volt | V | kg.m2/C.s2 |
| energy | *E* | joule | J | kg.m2/s2 |
| force | *F* | newton | N | kg.m/s2 |
| frequency | *f* | hertz | Hz | s-1 |
| heat | *Q* | joule | J | kg.m2/s2 |
| illumination | *E* | lux (lumen per square meter) | lx | cd/m2 |
| inductance | *L* | henry | H | kg.m2/C2 |
| magnetic flux | *φ* | weber | Wb | kg.m2/C.s |
| potential difference | *V* | volt | V | kg.m2/C.s2 |
| power | *P* | watt | W | kg.m2/s3 |
| pressure | *p* | pascal (newton per square meter) | Pa | kg/m.s2 |
| velocity | *v* | meter per second | m/s | m/s |
| volume | *V* | cubic meter | m3 | m3 |
| work | *W* | joule | J | kg.m2/s2 |