

Units

Parameter	Unit Name	Unit Symbol
Capacitance (C)	Farad	F
Current (I)	Ampere	A
Energy (E)	Joule, calorie	J, cal
Energy Density	Joule/cm ² , calories/cm ²	J/cm ² , cal/cm ²
Force (F)	pound force	lbf
Frequency (f)	Hertz	Hz
Length (l)	centimeter, meter	cm, m
Length (l)	inch, foot	in or “, ft or ‘
Noise	decibel	dB
Power (P)	Watt, or Volt-Ampere	W, VA
Pressure	pounds force/in ²	lbf/in ²
Time (t)	second, minute, hour	s, min, hr
Voltage (V)	Volt	V

Unit Prefixes

Prefix	Multiplier	Symbol
pico	x 10 ⁻¹²	p
nano	x 10 ⁻⁹	n
micro	x 10 ⁻⁶	μ
milli	x 10 ⁻³	m
kilo	x 10 ³	k
mega	x 10 ⁶	M
giga	x 10 ⁹	G
tera	x 10 ¹²	T
peta	x 10 ¹⁵	P

Acronyms

AC, ac	Alternating Current
AED	Automated External Defibrillator
AHJ	Authority Having Jurisdiction
ANSI	American National Standards Institute
CE	Conformity Assessment
CFR	Code of Federal Regulations
CPR	Cardiopulmonary Resuscitation
CSA	Canadian Standards Association
D&D	Decontamination and Decommissioning
DC, dc	Direct Current
DOE	U. S. Department Of Energy
EEWP	Energized Electrical Work Permit
EMI	Electromagnetic Interference
ESD	Electrostatic Discharge
ESO	Electrical Safety Officer
FPN	Fine Print Note
FR	Flame Resistant
GFCI	Ground Fault Circuit Interrupter
IAEI	International Association of Electrical Inspectors
IBEW	International Brotherhood of Electrical Workers
ICC	International Code Council
IEEE	Institute of Electrical & Electronics Engineers
IR	Infrared
ISA	Instrumentation, Systems, and Automation Society
ISM	Integrated Safety Management
LANL	Los Alamos National Laboratory
LOTO	Lockout/Tagout
NEC	National Electrical Code
NEMA	National Electrical Manufacturer's Association
NESC	National Electrical Safety Code
NFPA	National Fire Protection Association
NNSA	National Nuclear Security Administration

NRTL	Nationally Recognized Testing Laboratory
NTS	Nevada Test Site
OJT	On-The-Job Training
ORPS	Occurrence Reporting and Processing System
OSHA	Occupational Safety & Health Administration
PPE	Personal Protective Equipment
R&D	Research & Development
RF, rf	Radio Frequency
RFMW	Radio Frequency & Microwave
rms	Root Mean Square
SME	Subject Matter Expert
UL	Underwriters Laboratories Incorporated
UPS	Uninterruptible Power Supply
UV	Ultraviolet
VSS	Vital Safety Systems