

Unit Madness

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After helping with a local ham radio course, I realise how confusing some of the units, symbols, & names are to new comers.

Here is a short look at the problem if the names/units/symbols get misused or are unclear. They can normally be distinguished by the context & a thorough knowledge of the subject concerned.

UNIT/ SYMBOL	POSSIBLE MEANINGS
A	Amperes, Area (a), Acceleration, Ångstrom, Atto 10 ⁻¹⁸ , Attenuation, Altitude, Argon.
B	Magnetic Induction, Bars, Boron.
C	Coulomb, Capacitance, °Centigrade/Celsius, Calories, Speed of Light, Cycles, Carbon.
D	Distance, Density, Dynes, Direction, Drag.
E	Energy, Electric Fields, EMF, PD, Voltage, (e)rgs, Exa 10 ¹⁸ .
F	Farad, Frequency Occurance, Force, Feet (Ft), Femto 10 ⁻¹⁵ , Fluorine.
G	Force of Gravity, Giga 10 ⁹ , Conductance, (g)rams, Gauss, Gain.
H	Henrys, Magnetic Field, Height, Hertz (Hz), Hydrogen.
I	Current, Inductance, Inertia, Iodine, Imaginary in Maths.
J	Jules, (j) imaginary in Electrical.
K	°Kelvin, (k)ilo 10 ³ , Potassium, Any Constant.
L	Lumens (Lm), (l)itre, Lux (Lx) Inductance, Loss, Length, Lift.
M	Mass, Moments, (m)etre, Mega 10 ⁶ , (m)illi 10 ⁻³ . Mile (Mi), Mo(1/Û).
N	Newton, Nano 10 ⁻⁹ , Nitrogen.
O	Örsteds, Oxygen.
P	Power, Pressure, Pascal (Pa), (p)ico 10 ⁻¹² , Peta 10 ¹⁵ , Phosphorus.
Q	Charge, Resonant gain.
R	Resistance, Radius, Reluctance.
S	Siemens, (s)econds, Suseptance, Speed, Distance, Sulphur.
T	Tesla, Tonne, Ton, Torque, Temperature, Network Type.
U	Uranium, (U Signal Phase Axis). (U can be voltage says DK3UZ)
V	Voltage, velocity, Volume, Vanadium, (signal Phase Axis).
W	Watts, Work, Weight (Force), Tungsten.
X	Reactance, Left Right Axis, Unknown.
Y	Up Down Axis, Yttrium, (Luminance Signal).
Z	AC Impedance, Far Near Axis, Network Type
µ	Permeability, micro.
Û	Ohms.
Ò	Pi, Network Type.
Ù	Delta, a Little bit.
,\	Lamda, wavelength.

(ohms etc. View in code page 437 Terminal Font)

And some more from LW1DSE

Ó (Alpha) for some angles.

β (Beta) for DC current gain in BJT's.

Ò as a chain of multiplies.

σ (Sigma) for reiterative summation.

μ (mu) for the gain in triodes (tubes or valves), magnetic permeability.

ω (as omega) = $2 * \text{Ò} * f$.

ρ (rho) as specific gravity, reflection coefficient.

B as Back Electromotive Force.

η (eta?) as turns ratio in transformers.

Û (as Delta) for density.

G for Gm, transconductance in valves.

R, S, T, U, V, W for 3 phase electric systems.

X for an indepent variable in math.

Y for dependent var in math.

Why Don't U send an interesting bul?

73 De John G8MNY