

Exponential Format: Engineering on the TI89

List the most common engineering prefixes and abbreviations.

Place 13500V in proper engineering format.

Place .0002047A in proper engineering format.

Describe how most keys on the TI-89 can be used to perform more than one function.

Identify the location and differentiate between the function of the subtraction operation key and negation key.

Identify the necessary settings in MODE. Briefly describe each setting.

Describe the 3 part general format the TI-89 uses to display numbers in engineering format.

Given a TI-89 displaying the below entries and the associated unit identify the number in proper engineering format and the base unit.

2E3 W
3.5E-3 A
1.72E6 Ω
47E-6 F
3.9E3 Ω
70E-3 A
680E0 Ω
22E-9 F
2.3E6 W
1.15E9 Wh

Describe two different methods of entering the following values into the TI89.

68k Ω
6.75MW
33uF
4,500,000Hz
 $2.56 \cdot 10^{-7}$ g

Identify how the TI89 displays fractions while in exponential format: engineering.