

# Units Conversion Tool

Adds a powerful physical units conversion tool to quickly convert a unit value into all the available units within a category at once. To show this tool, press the **OPT** touch the “**Scientific**” or “**Convert**” menu and then select the “**Units Conversion**” option.

The screenshot shows a list of units for the 'Energy' category. Each row includes a unit symbol, its full name, and a numerical value. An 'Edit' button is located at the top right of the list. Three callout boxes provide additional information: one points to the 'Energy' header, another points to the 'Edit' button, and a third points to the numerical values in the list.

Unit	Value
BOE Oil Barrel	+0.0006
BTU British Thermal Units	+3,412.1416
cal Calories	+859,857.5503
CFe Cubic feet of Std. Natural Gas	+3.2999
Eh	+8.2574E+23

Touch the Category name to display a list with all units categories available. Select the desire category from the list and all the available units in the category will be shown in the Units Equivalent table.

Simply type a value with the calculator keypad, then touch the unit row in the list to assign that value to that unit. The **Units Conversion** tool will calculate all the other units equivalent values automatically.

Optionally, units arithmetics can be performed using **STO +** or **STO -** functions (see the example below).

Touching the **[Edit]** button or selecting the “**Units Editor**” option in the “**Utilities**” menu, you can fully edit the categories and units listing at your preference.

### **Example: Units Conversion and Arithmetic**

Add 11.36 feet plus 5.75 inches plus 2 meters plus 25 centimeters and minus 0.1 chains, what is the total length expressed in yards?

#### **Solution:**

First, press the **OPT** and select the “Units Conversion” option. Then, touch the Category Name and select the “Length” category. Then follow the next sequence:

<b>Keystrokes</b>	<b>Description</b>
Type 11.36 & touch the “ <b>ft</b> ” unit	Enters 11.36 feet.
Type 5.75 <b>[STO][+]</b> & touch the “ <b>in</b> ” unit	Adds 5.75 inches to the conversion.
Type 2 <b>[STO][+]</b> & touch the “ <b>m</b> ” unit	Adds 2 meters to the conversion.
Type 25 <b>[STO][+]</b> & touch the “ <b>cm</b> ” unit	Adds 25 centimeters to the conversion.
Type 0.1 <b>[STO][-]</b> & touch the “ <b>ch</b> ” unit	Subtract 0.1 chains from the conversion.
Touch the “ <b>yd</b> ” unit	Recalls and display the total conversion value in yards. <b>Result = 4.21 (yds)</b>