

Edit Units Database “Pro” Tool

This tool adds a convenient editor to customize the “Unit Conversion” tool categories and units. To show it, press the **OPT** key, touch the “Convert” or “System” menu button, and select the “Edit Units Database” tool.

The screenshot shows the 'Edit Units Database' tool interface. At the top, a 'Category' dropdown is set to 'Length Units'. A list of units is displayed, with 'km' (Kilometers) selected. A modal window is open for editing 'km', showing a 'Symbol' field with 'km', a conversion equation $S.I. = K_n \cdot (Unit - Co) / K_d + C_n / C_d$, and input fields for K_n (1000), K_d (1), C_n (0), C_d (1), and Co (0). At the bottom of the list, there are three icons: a green plus sign, a red minus sign, and a grey information icon. At the very bottom, there are three buttons: 'Cancel', 'Action', and 'Done'.

Callouts and their corresponding features:

- Select a Unit category to edit (Category dropdown)
- Select Next Unit in the list (Up arrow icon)
- Select Previous Unit in the list (Down arrow icon)
- Conversion Equation (S.I. = $K_n \cdot (Unit - Co) / K_d + C_n / C_d$)
- Remove unit from the list (Red minus icon)
- Shows unit input data view (Information icon)
- Ordering Control (List items with arrows)
- Close the editor and updates the Units Database (Done button)
- Shows the Action Menu to create, rename, delete, reset, etc... (Action button)
- Close the editor and discard all changes (Cancel button)
- Insert a new Unit to the list (Green plus icon)
- Selected Unit input data view (Modal window for 'km')

The editor has three areas: the data listing, the keypad to enter numbers and the actions buttons.

Unit Listing:

- Shows the units contained in the selected Category.
- Touch a Unit in the list to show the edition buttons to Insert, Delete or Edit.
- Touch the “Ordering Control” and drag up or down to re-order the unit in the list.

Input Data View:

- Touch any of the fields to edit it. The coefficients K_n , K_d , C_n , C_d and C_o correspond to the conversion equation to get a S.I. system value.
- A number in edition is actually entered in the list when the **[INPUT]** key is pressed

[Action ►] Button:

New Unit	Creates a new unit in the current Category at the end of the list and shows the Unit Input view.
New Category	Ask for the new category name and creates it.
Rename Category	Ask for a new name for the current Category.
Delete Category	Removes the current category from the unit database.
Reset Category	Reset the current category to the factory default. All reordering, deletion, addition or edition previously done will be lost. If the category is a custom one, not originally present in the DataBase
Reset All Units	Resets all units and categories to factory default. All custom edition will be lost.