Units

The choice of units of measurement is a complex subject, since preferred units of measurement vary from business to business and from country to country.

OneVision's approach to the problem is to leave it up to the user: Every user may specify his/her   own units of measurement. The most commonly used units are supplied.

714901_paste.tiff ¬
 Figure: Text field for specifying a unit of measurement

In every panel in which units of measurement are shown, a switch is supplied that opens a list containing different units of measurement. Users can extend this list by defining their own units. The button on the right edge of a field indicates the availability of an additional list of units.

paste.tiff ¬   *Figure: List of units of measurement*

The DTPpoint is the basic unit in PostScript. If the other terms are unfamiliar to you, please see the <Glossary> (;../Appendix/Glossary.rtf;;¬). You can select a unit by clicking on it. You can change values by altering the information in the text fields manually.

Most of the text fields using unit measurements show a calculator

on the left edge. This symbol indicates that these fields also accept mathematical functions. Only the following basic calculations are permitted: add (+), subtract (-), multiply (*), and divide (/).

Calculations using percentages, for example, can be done like this:
- adding 10 percent   ->   ª   * 1.1 º.
- minus 15 percent   ->   ª   * 0.85 º.
- calculate 125 percent ->   ª   * 0.125 º.
(<u>Note:</u> don't enter the quotation marks.)

define;¬Define
This command allows you to define your own units of measurement. It doesn't matter whether you are working with a raster electro microscope or with distances in astronomy. OneVision enables you to use the units of measurement of your specific domain. Unlike other applications, there are no restrictions concerning the precision of your units.
After clicking this command, the panel below will appear for entering the name, size, and reference unit:

953402_paste.tiff ¬
Figure: Define Unit panel for defining new units of measurement

You can also specify the number of decimal places you would like to appear when the unit is used.

If you want to delete a unit, select it from the unit list and click on the switch labeled <*Delete*>. The unit list can be opened by clicking on the button on the right edge of the field that shows the current unit.

Next: ;TMSCurveWell.rtfd;;¬   Curve Editor