J

Expression Evaluation and Units

Within Ovation Pro there are many writable icons into which values can be entered. It is possible to enter expressions and use various units using the same format in all of them.

Units

The following units and abbreviations are supported.

Millimetre	mm, m, M
Inch	in, i,",I
Point	pt, p, P
Pica	pi, PI
Centimetre	cm, c, C
Didot	di, d, D
Cicero	ci, CI
Foot	ft, '
Yard	yd
Twips	tw

The didot is the equivalent of the point outside the UK and USA. There are 12 didot's in 1 cicero. A point is 1/72nd of an inch. A didot is 0.0148 inch or about 1/68th of an inch

A pica is equal to 1/6 of an inch, or 12pt.

There are 1440 twips in an inch or 20 twips in a point.

Paper Sizes

A3	297x420mm	11.69x16.53in
A4	210x297mm	8.27x11.69in
A5	148.5x210mm	5.85x8.27in
Letter	215.9 279.4mm	8.5x11in
Legal	215.9x355.6mm	8.5x14in
Tabloid	279.4x431.8mm	11x17in

Expression Evaluation

In any icon where you type a value, you can type in an expression.

For example;

10+20

6*2.123

The operator precedence is

unary +/-	(e.g. using - for a negative value)
(and)	(brackets)
/ and *	(division and multiplication)
units and %	(e.g. mm)
+ and -	(addition and subtraction)

More advanced examples;

100mm+10%

5/6"

here " is short for inch, but note that the value of this is (5/6) inches and not 5/(6 inches).

Values may contain 0..9, the decimal point represented by '.' or ',', if prefixed by # they are treated as hexadecimal and may also contain a..f. Note that #100d is 4109 and not a value of 256 didots which could be written (#100)d.