

**basicgauge**

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## Chapter 1

# basicgauge

### 1.1 basicgauge\_plugin: Introduction

basicgauge\_plugin

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basicgauge\_plugin is a PLUGIN that offers a simple way to construct and use progress-gauges in your applications.

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Usage

History

### 1.2 basicgauge\_plugin: Usage

basicgauge\_plugin has three publically accessible methods:

setup(), set\_value() & set\_disabled()

A summary of these methods and their arguments:

```
PROC setup(minimum=0, maximum=100,  
           bar_colour=-1, back_colour=-1) OF basicgauge_plugin
```

minimum & maximum are the two range limiters of the PLUGIN;

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these can be any value, negative or positive. The only limitation is that, of course, maximum must be greater than minimum.

`bar_colour` & `back_colour` take the pen numbers of the colours that you would like the progress bar and the background inside the gauge to be. If these are specified as `-1` (the default) then the PLUGIN will get the default values from the screen's set pens.

This method is most likely the one that you would call when NEW'ing the object; but it is safe to call at other times.

PROC `set_value(value)` OF `basicgauge_plugin`

This sets the current level of the gauge to the value given in the argument. If the value is outside the range of the maximum and minimum figures as given to `basicgauge_plugin.setup()`, or if the PLUGIN is currently disabled, then this procedure will return `FALSE`, while if it is successful it will return `TRUE`.

PROC `set_disabled(bool=TRUE)` OF `basicgauge_plugin`

As you would expect, this method disables or re-enables the PLUGIN.

See the example source code, `basicgauge_demo.e`, for some actual examples of this plugin in use.

### 1.3 basicgauge\_plugin: History

v1.0 (30.8.97)

- o Initial release.

v1.1 (2.10.97)

- o Name changed from 'gauge\_plugin' to 'basicgauge\_plugin' to reflect the addition of a better module to the package. (This one still comes with source, though, so I thought it best to have both.)
- o Added some safety checks to ensure that the window is open before attempting to render into it in custom PLUGIN methods (`set_disabled()`, et al.)

v1.2 (28.10.97)

- o Bracketed off a line to avoid precedence problems;

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it's always best to indicate exactly what's expected,  
in case the compiler can't read your mind :P

- o Removed some unnecessary code from the render() method.