

# GPC Macro

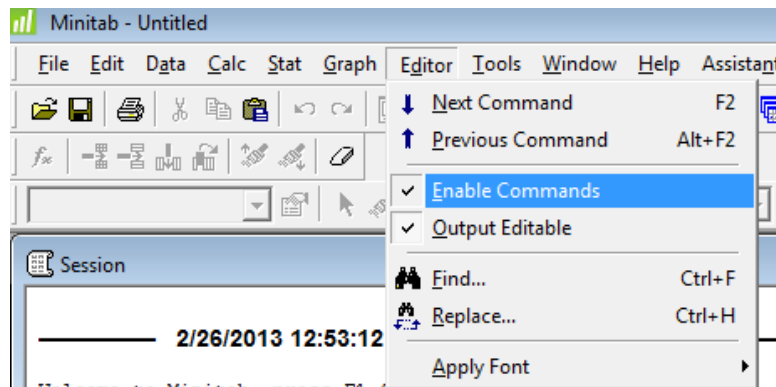
## Function

This macro is designed to generate a Gage Performance Curve, based on the pure error of your gage, and user inputs of Lower and Upper Spec Limits for the process to be measured.

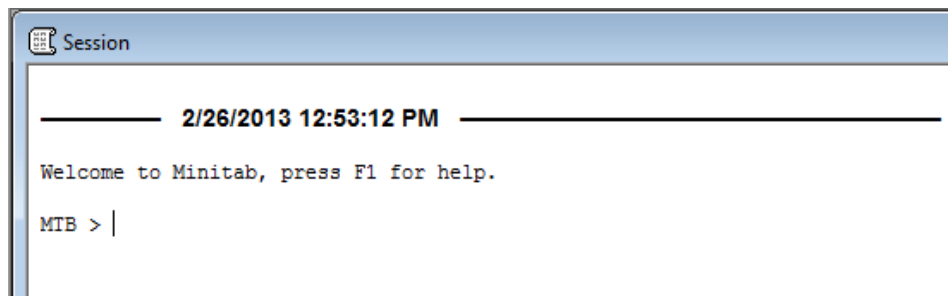
## Calling Macros (general)

Macros are called from the Session Window. In order to type commands into the session window, the “Enable Commands” option must be selected. The procedure is:

- Make the Session Window active by clicking on it.



- Click on “Editor” in the menu bar
- Select “Enable Commands” from the drop-down menu.



The session window should now have the following prompt:

MTB >

Commands may now be entered after the prompt.

## GPC Macro Syntax

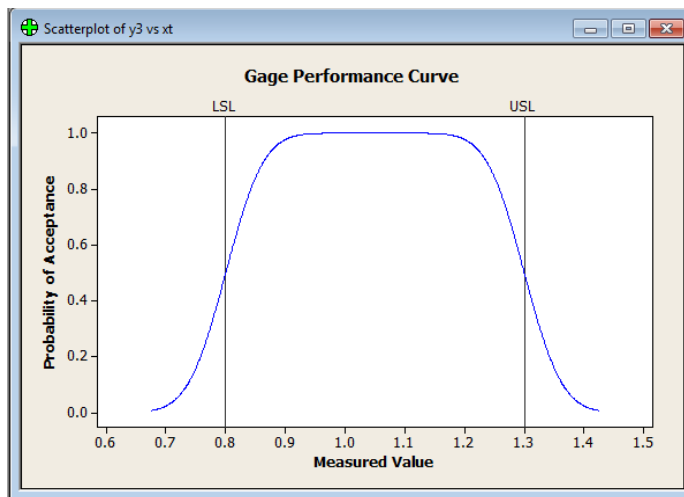
All macros begin with the % sign, followed by the macro name, followed (optionally) by arguments.

For the GPC macro, there are 5 arguments, representing:

- Lower Specification Limit (ll)
- Upper Specification Limit (ul)
- Gage R&R Standard Deviation (sd)
- Gage Bias (bias) – This is the negative of the Accuracy.
- Number of Steps (steps) – Usually you will use 1000

Examples of Syntax for calls to this macro:

```
MTB > %gpc 0.8 1.3 0.05 0 1000
```



```
MTB > %gpc 0.8 1.3 0.05 0.1 1000
```

