

DefaultTextEncoding

DefaultTextEncoding [encoding=textEncoding, overrideDefault=override]

The DefaultTextEncoding operation programmatically changes the default text encoding and experiment text encoding override settings. These settings, which are discussed under **The Default Text Encoding** on page III-465, are also accessible via the Misc→Text Encoding→Default Text Encoding menu.

DefaultTextEncoding is rarely needed because typically you will change the default text encoding manually using the menu, if at all.

The DefaultTextEncoding operation was added in Igor Pro 7.00.

Parameters

All parameters are optional. If none are specified, no action is taken, but the output variables are still set.

encoding=textEncoding

textEncoding specifies the new default text encoding. See **Text Encoding Names and Codes** on page III-490 for a list of codes.

Pass 0 to set the default text encoding to the equivalent of selecting "Western" from the Default Text Encoding submenu.

The value 255, corresponding to the binary text encoding type, is treated as an invalid value for the *textEncoding* parameter.

overrideDefault=override

Turns overriding of the experiment's text encoding off or on.

0: Turns override off

1: Turns override on

Details

The default text encoding affects Igor's behavior when opening a file whose text encoding is unknown. See **The Default Text Encoding** on page III-465 for details.

The experiment text encoding affects how files are loaded during experiment loading only. The override setting allows you to override the experiment text encoding stored in the experiment file. Normally you will not need to do this. See **The Default Text Encoding** on page III-465 for further discussion.

You may occasionally find it necessary to change the default text encoding because an Igor operation lacks a /ENCG flag that allows you to specify the text encoding and instead uses the current default text encoding. In such cases it is a good idea to save the original default text encoding, change it as necessary, and then change it back to the original text encoding. The example below demonstrates this technique.

Output Variables

DefaultTextEncoding sets the following output variables to indicate the settings that are in effect after the command executes:

V_defaultTextEncoding A text encoding code.

V_overrideExperiment A value of zero means the setting is off, nonzero means the setting is on.

Example

```
Function DemoDefaultTextEncoding()
    // Store the original default text encoding
    DefaultTextEncoding
    Variable originalTextEncoding = V_defaultTextEncoding

    // Set new default text encoding
    DefaultTextEncoding encoding = 3      // 3= Windows-1252

    [ Do something that depends on the default text encoding ]

    // Restore the original default text encoding
    DefaultTextEncoding encoding = originalTextEncoding
End
```