Horizontal Expansion App

GDS 2000A Series

USER MANUAL

GW INSTEK PART NO.

ISO-9001 CERTIFIED MANUFACTURER

GW INSTEK

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INSTALL THE SOFTWARE

Steps

1. Please make sure that the firmware version is V1.15 or above.
2. Copy the installation file, HExpand.gz, onto a USB flash drive.
3. Please insert the USB flash drive into one of the USB A ports.
4. Enter the file utilities menu (Utility key ➔ File Utilities).
5. Use the Variable knob and the select key to navigate to the HExpand.gz file on the USB flash drive. See Fig. 1.
6. Press the Select key to select the file. A message will appear asking you to make sure the system date is correct before you proceed. Press the Select key to confirm and to start the installation process. See Fig. 2.
7. The installation will proceed automatically. When the following message appears, “Please turn-off the oscilloscope and turn-on again!”, cycle the power on the scope and remove the USB flash drive.
8. The Horizontal Expansion APP should now be installed.

Fig.1

GW INSTEK
Auto
20 May 2013
18:17:49
USB:/MExpand.gz
FreeSize:3.9G
File Utilities
FileName
FileSize
Date
MExpand.gz
20KB
Mon May 20 17:38:16 2013
Create Folder
Rename
Delete
Copy To USB
<2Hz
10us
0.000s
0.00V
DC
Language English
System
Date & Time
Hardcopy
File Utilities
I/O
Demo Output Analog

Fig.2

GW INSTEK
Auto
20 May 2013
18:18:01
USB:/MExpand.gz
FreeSize:3.9G
File Utilities
FileName
FileSize
Date
DS0001.BMP
1.41MB
Mon May 20 18:17:50 2013
MExpand.gz
20KB
Mon May 20 17:38:16 2013
Make sure the system time is correct.
Press Select again to continue this process.
Press another key to cancel this process!
Create Folder
Rename
Delete
Copy To USB
<2Hz
10us
0.000s
0.00V
DC
Language English
System
Date & Time
Hardcopy
File Utilities
I/O
Demo Output Analog

UNINSTALL THE SOFTWARE

Steps

1. Enter the APP menu. (Test key ➔ APP)
2. Use the Variable knob to select the HExpand driver file. Fig.3.
3. Press the Uninstall soft-key twice to uninstall. The uninstallation process will commence automatically.
4. Cycle the power on the oscilloscope when the message, "Please turn-off the oscilloscope and turn-on again!" appears on the screen.

Fig. 3

HOW TO USE THE SOFTWARE

Steps

1. Enter the Mode menu. (Acquire key ➔ Mode).
2. Press the Expand key and choose By Center or By Trigger Pos. Fig. 4.

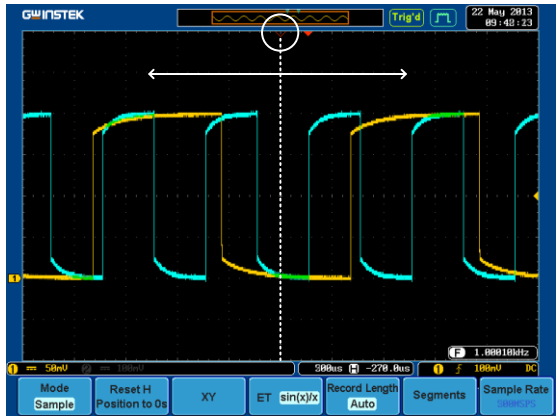
Fig. 4

Example:
By Center

3. The Expand by Center option will scale the waveform from the center of the display when the waveform is scaled using the TIME/DIV knob. See Fig. 5.

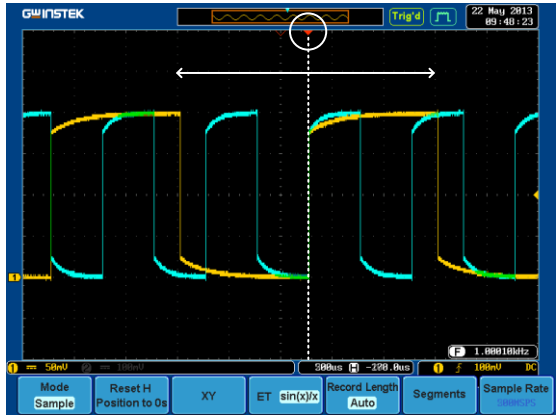
Fig. 5

Center



Example:
By Trigger Pos

4. The Expand by Trigger Pos will scale the waveform from the trigger position when the waveform is scaled using the TIME/DIV knob. See Fig. 6.

Fig. 6

Trigger position