MP2-PRO Option Installation Guide

(For MPO-2000 series)

This document describes how to install option license upgrades on your MPO-2000B series (Basic version) that are purchased after receiving the MPO-2000B series

All the option upgrades can be performed in the field by installing the license file (MP2-PRO option). Each option requires a separate license file.

Upgrade covered by the MPO-2000B series

*Bandwidth upgrade: 100MHz to 200MHz bandwidth

- *APP upgrade: basic version to professional version
- *Python Script Execution (µPy) upgrade: basic version to professional version

Install option upgrade licenses

User need the license files from GWinstek. The license is valid ONLY for specific model number and serial number of the MPO-2000B for which was purchased; the license will not work on any other MPO-2000B oscilloscope.

Follow the instruments that user received to download the upgrade license file (<filename>.lic)

- 1. Copy the license files to a USB flash drive (FAT32 file system required).
- 2. Insert the USB flash drive into the powered-on MPO-2000B oscilloscope.

3. Press "Save/Recall" key (front panel) \rightarrow "File Utility"

| G WINSTEK 10 | k pts 200MSa/s | | JT Au | to 02 May | 2024 14:48:57 |
|--|---------------------------|---------------------------|---|-------------------------|-------------------|
| USB:/ | | | FreeSiz | :e:14.4G) | File Utilities |
| FileName | Fi | leSize | | Date ^{In} | Create Folder |
| ▶ System Volume 200M.lis UPY_Pro.lis | 18 | 3B TI | ue Jan 30 11:05 hu May 2 14:43 hu May 2 14:44 | 40 2024 | Rename |
| 1 | | | | | Delete |
| | | | | in in | Copy to Disk |
| 1 100mV 2 - | - 100mV 🖁 3 10 | 3mV 🖁 () 🛲 100mV 🖁 | 5us 0.000 | -300m 20s 1 1 | |
| | Save Save aveform Setu | | Recall Setup | Hardcopy | File Utilities |

4. Find and select the upgrade license file to install. Press the "Select" key (front panel) to install the license.

| | GЩI∏STEK | 10k pts | 200MSa/s | | Ռա | to 02 May | 2024 14:53:46 |
|---|--|-----------------------|-----------------------|--------------------|-----------------|-------------------------|-------------------|
| | USB:/200M.li | | | | FreeSiz | :e:14.4G) | File Utilities |
| | FileName | | FileSiz | e | | Date ^{In} | Create Folder |
| | D System Vo 200M.lis ≝ UPY_Pro.l | Press ae | | | | | |
| 1 | | | | | | lin | Delete |
| | | | | | | In | Copy to Disk |
| | 1 100mV | (2) == 100mV ∰ | 3 == 100mV 🖁 (| 4 100mV | 5us 0.000 | -300m 20s 1 J | |
| | Save Image | Save Waveform | Save Setup | Recall Waveform | Recall Setup | Hardcopy | File Utilities |

- Press "Utility" key (front panel) → "System" → "More" → "More" → "Function Module". The MPO-2000 series installs the license and returns to the LCD screen.
- 6. Verify that the installed license was added to the function module list.

| G≌I∩STEK | 10k pts | 100MSa/s | | Aut | .o 07 Sep_ | 2023 13:22:54 | | | | |
|----------------------------------|---|-------------------------|------------------------|----------------------------------|---------------------------------------|---------------|--|--|--|--|
| Function Mod | lule | i constra | 🕎 | | · · · · · · · · · · · · · · · · · · · | Function | | | | |
| | | | | (En | able) | Module | | | | |
| | Channi | el serial bus c | lecode. | Yes | 000 | | | | | |
| * SRH | | n trigger setti | | Yes | | | | | | |
| * SGM | | nted acquire. | | Yes | | | | | | |
| * SA | | rum Analyzer. | | Yes | 2001 | | | | | |
| *Demo GDB0 | | node(GDB03). | | Yes | | | | | | |
| | | | | | · · · 100m | | | | | |
| | | | | | | | | | | |
| 1 | | | | | | | | | | |
| 1 zaiermiermeelemenspie pojpraam | | | - | an nahi nahi kasi meni meni meni | | | | | | |
| | | | | | | | | | | |
| For a second sec | | | | | -100m | | | | | |
| | | | | | | | | | | |
| . | | | | | -200m | | | | | |
| Variable: Ro | otating the VA | RIABLE Knob to | select the dif | ferent functio | n module. | | | | | |
| Unistall: Pr | Unistall: Press Uninstall key to uninstall the function module. | | | | | | | | | |
| | | | | | -300m | | | | | |
| | | | | | | Go Back | | | | |
| 1 100mV | (2) == 100mV 🖞 | (3) == 100mV 0 | 4) === 100mV 👖 | 10us 0.0000 | 0s 1 ∱ | | | | | |
| Language | | Set Date | | | | | | | | |
| English | System | & Time | Display | I/0 | | More | | | | |
| engrion | | | | | | | | | | |

Basic version of MPO-2000B's installed function module

Professional version of MPO-2000B's installed function module

| G WINSTEK 10k p | ots 100MSa/s | | JTL Auto | 07 Sep 2 | 2023 13:27:02 | | | | | |
|------------------------|--|--------------------|-----------------|-------------|--------------------|--|--|--|--|--|
| Function Module | | | | (V) | Function Module | | | | | |
| | | | (Enable |) : 300m | nousie | | | | | |
| *BUS | Channel serial bus c | | Yes | JUUM | | | | | | |
| ×SRH ×SGM | Search trigger setti Seqmented acquire. | .ng | Yes Yes | | | | | | | |
| * SA | Spectrum Analyzer. | | Yes | 200m | | | | | | |
| * UPY-pro | micropython Pro. | | Yes | | | | | | | |
| ∗Demo GDB03 | Demo mode(GDB03), | | Yes' | : 100m | | | | | | |
| | | | | | | | | | | |
| 1 | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | -100m | | | | | | |
| | | | | | | | | | | |
| Variable: Potating | the VODIORIE Knob to | coloct the differe | ont function mo | -200m | | | | | | |
| | Variable: Rotating the VARIABLE Knob to select the different function module. Unistall: Press Uninstall key to uninstall the function module. | | | | | | | | | |
| | | | | -300m | | | | | | |
| | | | | | Go Back | | | | | |
| 1 == 100mV 2 == | 100mV 🖁 🕄 🚥 100mV 🖁 🕻 | 4) == 100mV 10u | s 0.0000s | 1 5 | | | | | | |
| Language | . Set Date | | | | | | | | | |
| English | tem & Time | Display | I/O | | More | | | | | |

- 7. Repeat steps 3 through 6 for second upgrade license file which downloaded.
- 8. Power cycle the MPO-2000 to enable the installed upgrades and run "SPC" (Signal Path Compensation) once.
- 9. Press "APP" key (front panel) to check the installed APP.



Basic version of MPO-2000B's APP

Professional version of MPO-2000B's APP

| | ۳ | INSTEK | 10k pts | 100MS | àa/s | | ~ | JTT A | uto | 07 Sep | 2023 13:28: | 01 |
|---|---|---------|---------|-------|------------|-------------------|-----------|---------------|--------|--------|-------------|----|
| | | | | /м | _ | C. | ain Phase | | _ | | Арр | |
| | | | | | - <u>-</u> | - | | - | ¥- | m | | |
| | | GO_NOGO | | DVM | DataLo | .og FRA | | DigitalFilter | Filter | - m | | |
| 1 | | | | | | | | | | | | |
| | | Mask | С | AN_FD | FlexR | ay | USB_PD | USB | РКТ | | | |
| | Rotating the VARIABLE Knob to select the different applications. Press Select button to enable the application. | | | | | | | | | m | | |
| | Go/No-Go Application: The Go/No-Go application can determine whether the input waveform is within the preset range and performs a predetermined action when the decision is GO or No-Go. | | | | | | | | | m | | |
| | | | | | | | | | m | | | |
| | - 1/2 - 1 100mV 2 100mV 3 100mV 4 100mV 10us -100.000ms | | | | | | | | 1 4 | | | |
| | | TOOIIIA | G 100 | | TO ALLA DA | | | 100.0 | | | | |
| | | Арр | | | Demo | Mount Remote D | | | | | | |