Datalog App

(**for Firmware Version 1.18 or later)**

GDS-1000B Series

USER MANUAL

ISO-9001 CERTIFIED MANUFACTURER

GW INSTEK

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GETTING STARTED

App Overview

Background	The GDS-1000B comes pre-installed with a number of apps. Optional apps can also be downloaded from the GW Instek website free of charge at www.gwinstek.com.	
Included Applications	Go/No-Go	The Go/No-Go application can be used to set threshold boundaries for input signals. Go/No-Go tests to see if a waveform will fit inside a user-specified maximum and minimum amplitude boundary (template).
	Mount Remote Disk*	This app allows the scope to mount a network share drive.
	* 4 channel models only.	
Optional Applications	Digital Filter	Adds a digital low or high pass filter to any of the input channels. Each filter can have a user-defined cutoff frequency set.
	DVM	The DVM application displays a digital voltage meter readout that floats on the top left-hand side of the screen.

Data Log	The Data Log app will log waveform data and/or screenshots at set intervals for set duration of time.

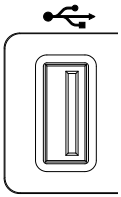
Installing Optional Apps

Background	The GDS-1000B has optional software apps that can be installed to add additional functionality to the DSO.

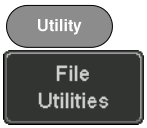
Steps

1. Download the Datalog App zip file from the GW Instek website.
2. Unzip the Datalog App zip file.

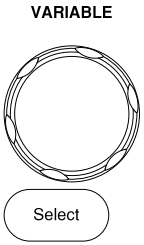
   The App zip file contains the APP installation file (DataLog_1KB.gz) and this user manual.
3. Copy the installation file(DataLog_1KB.gz) onto a USB flash drive.
4. Insert the USB flash drive that contains the DataLog_1KB.gz file into the front panel USB A port of the GDS-1000B.



5. Press the *Utility* key then the *File Utilities* soft-key.



6. Use the *Variable* knob and *Select* key to navigate to the DataLog_1KB.gz file on the USB drive.



7. Press the *Select* key to start the installation.

8. The installation will complete in a few seconds. When finished a pop-up message will appear asking you to restart the GDS-1000B.

9. Restart the GDS-1000B.

Uninstalling Optional Apps

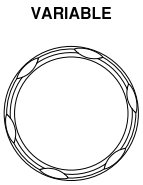
Background

Any optional apps that were installed can be uninstalled from the APP menu. Pre-installed apps, such as the Go-NoGo app cannot be uninstalled.

Steps

1. Press the *APP* key.

2. Highlight the app that you want to uninstall with the *Variable* knob.



3. Press *Uninstall* twice from the side menu to uninstall the selected app.

x2

Running Applications

Background

The APP function can host a number of different applications, some of which as pre-installed and some of which are installed as optional extras.

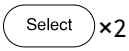
Panel Operation

1. Press the *APP* key.

2. Press *APP* from the bottom menu.

3. Scroll through each application using the *Variable* knob.

4. Select an application by pressing the *Select* key *twice*.



USING THE DATA LOGGER

Background

The Data Log app will log the current waveform data or screenshot at set intervals for a set duration of time.

Basic Features:

- Log up to 1000 hours of images or waveform data.
- The minimum interval is 2, or 5 seconds, and the Interval time needs to be lengthened because of the longer memory length. If you use the USB flash drive to store data, it may require a longer interval which depends on the storing data speed of the USB flash drive.

Example

Panel Operation

1. Choose the Data Log application from the APP menu. See page 9.

2. Press *Setup*.

3. Press *Log to* from the side menu and select what type of data to log, waveform data or screenshots.

Log to	Image, Waveform

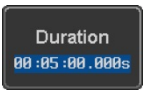
4. Press *Source* from the side menu and select a source channel to log if waveforms are to be logged.

Source	CH1 ~ CH4, All Displayed

5. Press *Interval* and set the logging interval time.

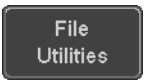
Interval	Data: 2sec ~ 23h59m59.5s Image: 5sec ~ 23h59m59.5s

6. Press *Duration* and select the logging duration time.



Duration	5 sec ~ 999h59m59.5s.

7. From the bottom menu, press *File Utilities* and set the save file path. See the File Utilities chapter of the user manual.



Turn On/Off

8. Press *Data Logging* from the bottom menu and toggle Data Logging on.

The data/images will be saved to the designated file path when Data Logging is turned on.

The Data Logging app will remain running in the background even if other functions are turned on.