

Datalog App

DSO-1000D Series

USER MANUAL



ISO-9001 CERTIFIED MANUFACTURER

This manual contains proprietary information, which is protected by copyright. All rights are reserved. No part of this manual may be photocopied, reproduced or translated to another language without prior written consent of Conrad company.

The information in this manual was correct at the time of printing. However, Conrad continues to improve products and reserves the rights to change specification, equipment, and maintenance procedures at any time without notice.

Table of Contents

GETTING STARTED.....	2
App Overview.....	2
Installing Optional Apps.....	3
Uninstalling Optional Apps.....	5
Running Applications.....	6
USING THE DATA LOGGER.....	7

GETTING STARTED

App Overview

Background		The DSO-1000D comes pre-installed with a number of apps. Optional apps can also be downloaded from the Conrad website free of charge at www.conrad.de
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.
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.
----------	---

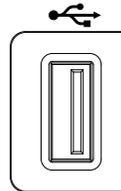
Installing Optional Apps

Background	The DSO-1000D 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 Conrad 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 DSO-1000D.

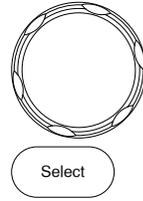


5. Press the *Utility* key then the *File Utilities* soft-key.



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

VARIABLE



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 DSO-1000D.
9. Restart the DSO-1000D.

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 are pre-installed and some of which are installed as optional extras.

Panel Operation 1. Press the *APP* key.



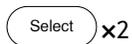
2. Press *APP* from the bottom menu.



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



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



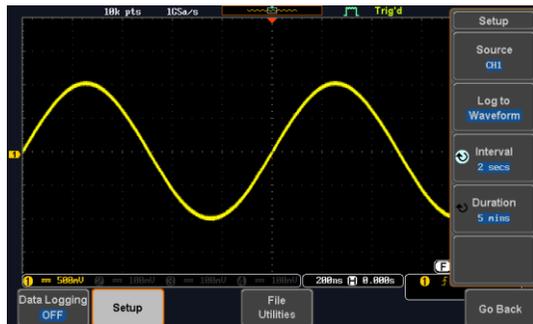
USING THE DATA LOGGER

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 100 hours of images or waveform data.
- Interval times of up to 2 seconds (waveform) or 5 seconds (images).

Example



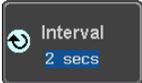
Panel Operation 1. Choose the Data Log application from the APP menu. See page 6.



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: 2secs ~ 2mins
Image: 5secs ~ 2mins

 6. Press *Duration* and select the logging duration time.
Duration 5mins ~ 100hrs.

 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.