

# **The CD Contents of Command-line Instrument Control and Measurement Tools**

This CD is the attachment of the thesis “**Command-line Instrument Control and Measurement Tools**”. The contents of the CD include the instrument information, the VISA commands, source codes of the VISA commands and the software tools used in the thesis.

## **Power Supply Units**

### **HAMEG HM8143**

<b>Name</b>	<b>Type</b>	<b>Location</b>	<b>Function</b>	<b>Descriptions</b>
set8143	Folder	\	Set up outputs	This folder contains the set8143.exe (command program), set8143.cpp (command source code), DEV-CPP project files.
rd8143	Folder	\	Measure outputs	This folder contains the rd8143.exe (command program), rd8143.cpp (command source code), data.csv (recorded values), DEV-CPP project files.
bc8143	Folder	\	Charging and discharging battery	This folder contains the bc8143.exe (command program), bc8143.cpp (command source code), user named records file, DEV-CPP
HEMAG HM8143 - user	PDF	\References	User manual	

### **Agilent 364xA Series**

<b>Name</b>	<b>Type</b>	<b>Location</b>	<b>Function</b>	<b>Descriptions</b>
set364x	Folder	\	Set up outputs	This folder contains the set364x.exe (command program), set634x.cpp (command source code), DEV-CPP project files.
rd634x	Folder	\	Measure outputs	This folder contains the rd634x.exe (command program), rd634x.cpp (command source code), data.csv (recorded values), DEV-CPP project files.
Agilent E364xA series - user manual	PDF	\References	User manual	

## Digital Multi-Meters

### Agilent 344xxA Series

Name	Type	Location	Function	Descriptions
rd344xx	Folder	\	Measure outputs	This folder contains the rd344xx.exe (command program), rd344xx.cpp (command source code), data.csv (recorded values), DEV-CPP project files.
Agilent E364xA series - user manual	PDF	\References	User manual	

## Oscilloscopes

### Tektronix 4000 Series

Name	Type	Location	Function	Descriptions
rd4054	Folder	\	Set up outputs and download waveform	This folder contains the rd4054.exe (command program), rd4054.cpp (command source code), user named records file, DEV-CPP project files.
Tektronix 4000 series - user manual	PDF	\References	User manual	
Tektronix 4000 series - programmer manual	PDF	\References	Programmer manual	

### Tektronix TDS & TPS Series

Name	Type	Location	Function	Descriptions
rdtek	Folder	\	Set up outputs and download waveform	This folder contains the rdtek.exe (command program), rdtek.cpp (command source code), user named records file, DEV-CPP project files.
setekv	Folder	\Extra Commands	Set up vertical parameter	This folder contains the setekv.exe (command program), setekv.cpp (command source code), user named records file, DEV-CPP project files.
setekt	Folder	\Extra Commands	Set up horizontal parameter	This folder contains the setekt.exe (command program), setekt.cpp (command source code), user named records file, DEV-CPP project files.
trigv	Folder	\Extra Commands	Set up video trigger parameter	This folder contains the trigv.exe (command program), trigv.cpp (command source code), user named records file, DEV-CPP project files.
trigp	Folder	\Extra Commands	Set up pulse trigger parameter	This folder contains the trigp.exe (command program), trigp.cpp (command source code), user named records file, DEV-CPP project files.
trige	Folder	\Extra Commands	Set up edge trigger parameter	This folder contains the trige.exe (command program), trige.cpp (command source code), user named records file, DEV-CPP project files.
Tektronix TDS - user manual	PDF	\References	User manual	
Tektronix TPS - user manual	PDF	\References	User manual	
Tektronix TDS & TPS series - programmer manual	PDF	\References	Programmer Manual	

## Function Generators

### Agilent 33220A

Name	Type	Location	Function	Descriptions
set33220	Folder	\	Set up outputs	This folder contains the rd344xx.exe (command program), rd344xx.cpp (command source code), data.csv (recorded values), DEV-CPP project files.
wavf33220	Folder	\	Set up user defined waveform	This folder contains the wavf33220.exe (command program), wavf33220.cpp (command source code), points.csv (user defined waveform example), DEV-CPP project files.
33220Sweep	Folder	\	Sweeping frequency	This folder contains the 33220sweep.exe (command program), 33220sweep.cpp (command source code), DEV-CPP
33220sin	Folder	\Extra Commands	Set up and outputs sine wave	This folder contains the 33220sweep.exe (command program), 33220sweep.cpp (command source code), DEV-CPP
33220squ	Folder	\Extra Commands	Set up and outputs square wave	This folder contains the 33220sweep.exe (command program), 33220sweep.cpp (command source code), DEV-CPP
33220ramp	Folder	\Extra Commands	Set up and outputs ramp wave	This folder contains the 33220sweep.exe (command program), 33220sweep.cpp (command source code), DEV-CPP
33220puls	Folder	\Extra Commands	Set up and outputs pulse wave	This folder contains the 33220sweep.exe (command program), 33220sweep.cpp (command source code), DEV-CPP
33220nois	Folder	\Extra Commands	Set up and outputs noise wave	This folder contains the 33220sweep.exe (command program), 33220sweep.cpp (command source code), DEV-CPP
33220dc	Folder	\Extra Commands	Set up and outputs DC	This folder contains the 33220sweep.exe (command program), 33220sweep.cpp (command source code), DEV-CPP

Name	Type	Location	Function	Descriptions
33220arb	Folder	\ExtraCommands	Set up and outputs arbitrary wave	This folder contains the 33220sweep.exe (command program), 33220sweep.cpp (command source code), DEV-CPP project files.
33220bc	Folder	\Extra Commands	Set up and output cycle burst	This folder contains 33220bc.exe (command program), 33220bc.cpp (command source code), DEV-CPP project files.
33220bg	Folder	\Extra Commands	Set up and output gated burst	This folder contains 33220bg.exe (command program), 33220bg.cpp (command source code), DEV-CPP project files.
33220am	Folder	\Extra Commands	Set up and output amplitude modulation	This folder contains 33220am.exe (command program), 33221am.cpp (command source code), DEV-CPP project files.
33220fm	Folder	\Extra Commands	Set up and output frequency modulation	This folder contains 33220fm.exe (command program), 33222fm.cpp (command source code), DEV-CPP project files.
33220pm	Folder	\Extra Commands	Set up and output pulse modulation	This folder contains 33220pm.exe (command program), 33223pm.cpp (command source code), DEV-CPP project files.
33220pwm	Folder	\Extra Commands	Set up and output pulse width modulation	This folder contains 33220pwm.exe (command program), 33224pwm.cpp (command source code), DEV-CPP project files.
33220fsk	Folder	\Extra Commands	Set up and output frequency shift keying modulation	This folder contains 33220fsk.exe (command program), 33225fsk.cpp (command source code), DEV-CPP project files.
33220trg	Folder	\Extra Commands	Send manual trigger signal	This folder contains 33220trg.exe (command program), 33226trg.cpp (command source code), DEV-CPP project files.
Agilent 33220A - user manual	PDF	\References	User manual	