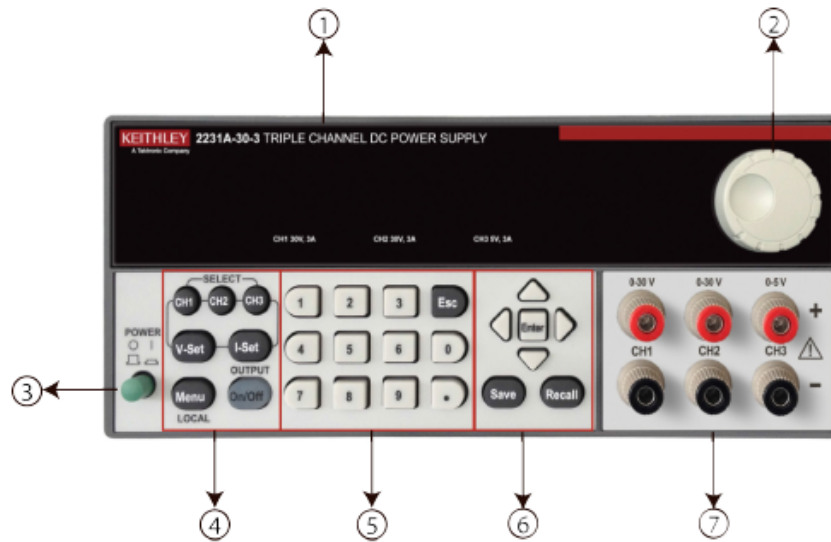# 1 QUICK REFERENCE: 2231 DC POWER SUPPLY

This note provides only brief information on most used features. For complete details, refer to the User Manual.

1.1 FRONT PANEL OVERVIEW

Please note that:
- All supplies are isolated from each other, but can be combined in Parallel, Series or Tracking modes.
- The voltage range on Ch-1 and 2 is from 0-30V and on Ch-3 is from 0-5V.
- Maximum current output is 3 Amp per channel.

1. Display   2. Rotary Knob (for Menu selections)   3. Power Button
4. Function Buttons   Channel Select, Voltage, Current Setting, Menu and Output On/Off buttons.
5. Keypad Buttons   Numeric and Esc (to go back in Menu) keys
6. Function Buttons   Enter, Save, Recall and Arrow buttons.

1.2 ABBREVIATIONS'S DESCRIPTION

These abbreviations show-up on the display screen.

Item	Description
CC	In constant current mode.
CV	In constant voltage mode.
ᵧ	The power supply is in remote control mode.
Series	Channel 1 and 2 outputs are wired in series.
Para	Channel 1 and 2 outputs are wired in parallel.
T	Channel 1 and 2 are in tracking mode.

1.3   MENU DESCRIPTION

Use the Menu button. To browse use the Knob/Arrows. To select or go back use Enter / Esc buttons.

Menu items		Description
Default Set		Restore the factory default settings
Enable Channels		Enable or disable output channels
Protection Settings		
	Max Volt Set	Set the maximum voltage that can be set. This influences the voltage setting range.
	Output Timers	Set the output timers for each channel. Once the timer expires, the output of the specified channel is turned off.
	Key Lock	Lock the front panel with a password to avoid any improper operation
Track CH1/CH2		Enable or disable the tracking mode
Combine CH1+CH2		Combine the meter readings of channel 1 and channel 2.
User Settings		
	Output Recall	The output status after power on
	Save Last	The voltage, current and max voltage set after power on
	Key Beep	Turn the button beeper on or off
	Knob Lock	Lock the knob
	Baud Rate	Check the baud rate (9600bps)
System Info		
	Error Log	List all errors that occurred
	Main:1.02/Aux:0.01	The firmware version
	Calibrate Date	2014-04-28 16:06:58

1.4   BASIC SETTINGS

1.4.1   VOLTAGE SETTING

1. Select the correct channel by pushing the appropriate Ch-Sel button.
2. Push V-set.
3. Use the numeric buttons to enter value, followed by the Enter button to set the voltage limit.

1.4.2   CURRENT SETTING

1. Select the correct channel by pushing the appropriate Ch-Sel button.
2. Push I-set.
3. Use the numeric buttons to enter value, followed by the Enter button to set the voltage limit.