# HJJDS6031

[Parameter description: 2](#_Toc17138)

[Appearance 3](#_Toc2770)

[Introduction to Interface Display 5](#_Toc20405)

[Key 6](#_Toc25909)

[Operation introduction 7](#_Toc27919)

[Press down CH: 7](#_Toc30336)

[Press down PARM: 8](#_Toc3474)

[Press down TRIG: 8](#_Toc11290)

[First press down HORI: 9](#_Toc27518)

[Second press down HORI: 10](#_Toc18891)

[First press down MENU: 10](#_Toc20775)

[Second press down MENU: 11](#_Toc11581)

[Third press down MENU: 12](#_Toc30633)

[switch signal generator 12](#_Toc7372)

[Program upgrade (U disk mode) 13](#_Toc32475)

# Parameter description:

Channel: 1

Bandwidth: 50MHz

real-time sampling rate 200MSa/s

The storage depth 4Kpts

Input coupling AC、DC

Input impedance 1MΩ 25pF

The maximum input voltage 40V (probe X1); 400V (probe X10) can be measured 220V

voltage; (probe X100) 2000V voltage can be measured

Probe attenuation 1X、10X

Set the probe attenuation factor 1X、10X、100X

Sampling Method Real-time sampling(10ns-50ms)/Scan sampling(100ms-5s)

Vertical Sensitivity 10mV-5V (Probe 1X) 100mV-50V (probe 10X) (1,2.5,5 step)

Vertical accuracy +/-3%

Vertical resolution 8bit

Horizontal scan range 10nS/div-5S/div(1,2.5,5 step)

Trigger Mode Auto, Normal and Single

Trigger Type Rising edge trigger, falling edge trigger

Automatic detection Support (50Hz-30MHz)

Cursor measurements Support time and voltage cursors

Signal generator

waveform Square wave, Sine wave, Linear voltage

frequency 1Hz - 40KHz

Amplitude 5V(MAX-+2.5V),

offset MAX--+2.5V

Square wave duty cycle 0% - 100%(Minimum resolution1%)

Screen 3.2-inch, 16-bit true color, TFT, 320 \* 240

Battery 2800 + mA lithium battery (single cell about four Six of

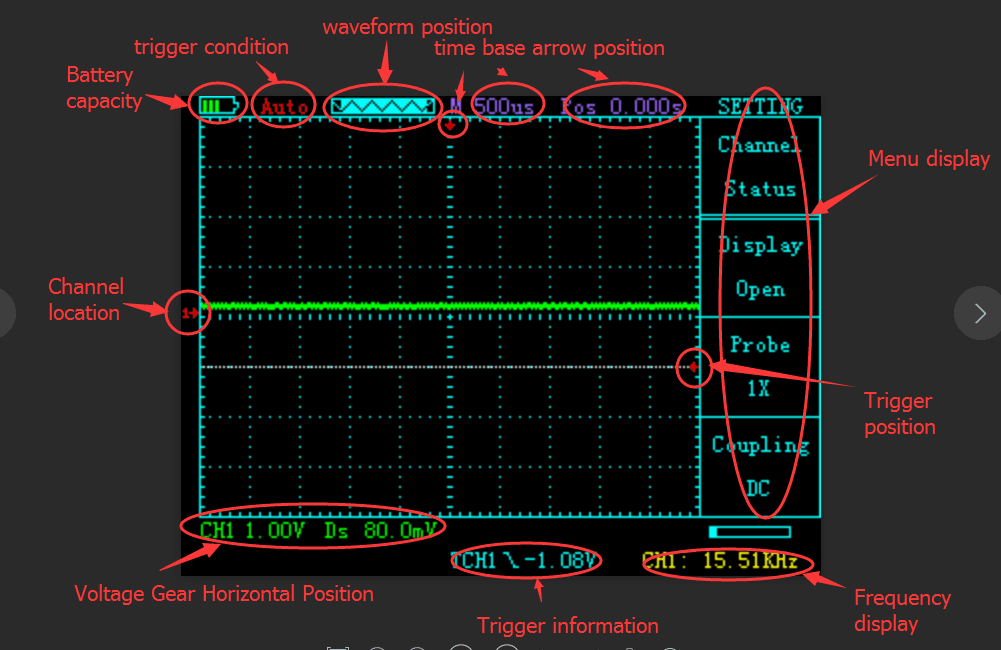
continuous work)

Size 195 \* 99\* 39(mm)

# Appearance



# Introduction to Interface Display



# Key

Main buttons as follows

CH Access Channel Control

PARM Display parameters

Power Turn on and off

AUTO Automatic retrieval of waveforms

TRIG Trigger control

HORI Time-based correlation control

STOP/RUN Stop start waveform display

MENU Control menu

OK Under the corresponding menu Function key

↑ Under the corresponding menu Function key

↓ Under the corresponding menu Function key

← Under the corresponding menu Function key

→ Under the corresponding menu Function key

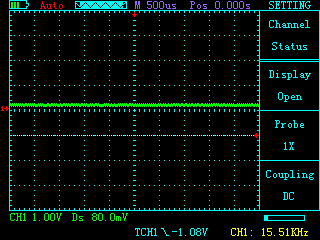
F1 Under the corresponding menu Function key

F2 Under the corresponding menu Function key

F3 Under the corresponding menu Function key

# Operation introduction

## Press down CH:



Function key description

↑ Voltage shift control

↓ Voltage shift control

← Waveform Horizontal Position Control

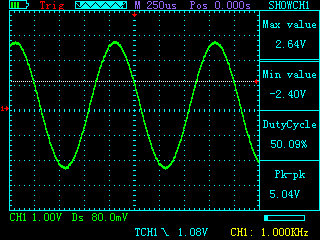
→ Waveform Horizontal Position Control

F1 Open Closed Channel Display

F2 probe x1,x10,x100

F3 AC and DC

## Press down PARM:



Function key description

↑ Voltage shift control

↓ Voltage shift control

← Waveform Horizontal Position Control

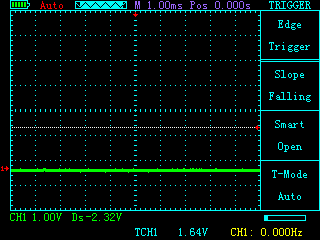
→ Waveform Horizontal Position Control

F1 Open Closed Channel Display

F2 probe x1,x10,x100

F3 AC and DC

## Press down TRIG:



Function key description

↑ Trigger position shift

↓ Trigger position shift

← Trigger position shift

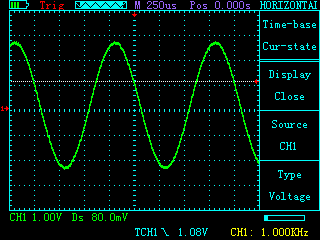
→ Trigger position shift

F1 Rising edge and falling edge trigger

F2 Choose whether to enable smart trigger (automatically find the trigger position)

F3 Select trigger type automatically normal single

## First press down HORI:



Function key description

↑ Changing time base

↓ Changing time base

← Change the position of the time base arrow

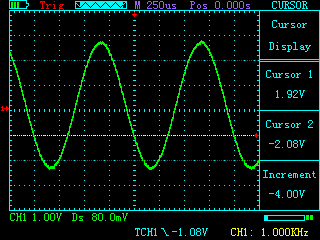
→ Change the position of the time base arrow

F1 Open and close measuring scale

F2 The object of scale measurement

F3 Type Voltage Time Measured by Scale

## Second press down HORI:



Function key description

↑ Position of scale 2 of the table

↓ Position of scale 2 of the table

← Position of scale 1 of the table

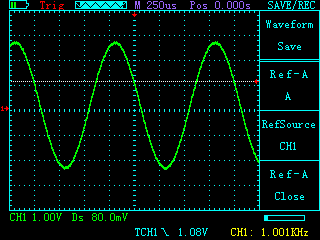
→ Position of scale 1 of the table

F1 invalid

F2 invalid

F3 invalid

## First press down MENU:



Function key description

↑ invalid

↓ invalid

← invalid

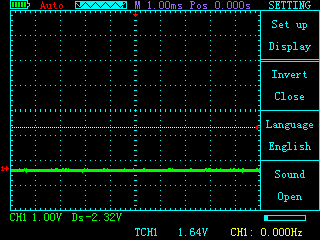
→ invalid

F1 Label of stored waveform A or B

F2 Source of stored waveform

F3 Whether to display stored waveforms

## Second press down MENU:



Function key description

↑ invalid

↓ invalid

← invalid

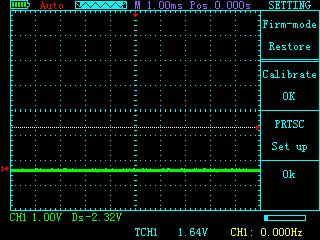
→ invalid

F1 Select whether the channel display is inverted

F2 Select language type

F3 sound switch

## Third press down MENU:



Function key description

↑ invalid

↓ invalid

← invalid

→ invalid

F1 Self-calibration (note that all signal connections are disconnected before calibration)

F2 Screenshot related options

F3 Press OK to reset to factory settings

# OK Explain:

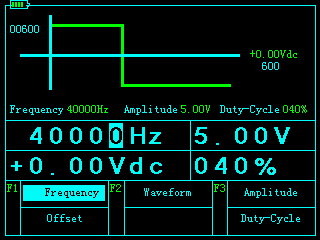
Used for screenshots when screenshots are turned on

Used to store waveforms when screenshots are turned off

# switch signal generator

Long press the MENU button on the oscilloscope or signal generator interface to switch between the two functions

#### Signal generator interface and operation



Function key introduction

↑ Modify selected numbers

↓ Modify selected numbers

← Select the number to be modified

→ Select the number to be modified

F1 Select frequency/offset

F2 select waveform

F3 Select Amplitude/Duty Cycle

# Program upgrade (U disk mode)

After the shutdown, press the OK button and the power button at the same time to enter the U disk mode (the U disk will appear on the PC end after connecting the usb cable)

Copy the upgrade file update.bin into the U disk, and press the MENU button to upgrade.