

GUT-6001C

Digital IC Tester

USER MANUAL

GW INSTEK

Standard Accessories

GUT-6001C Flash Writer main unit x1, USB cable x1,
DC 12V/500mA adaptor x1, PC Software, drivers and manuals on CD-ROM x1



Main unit

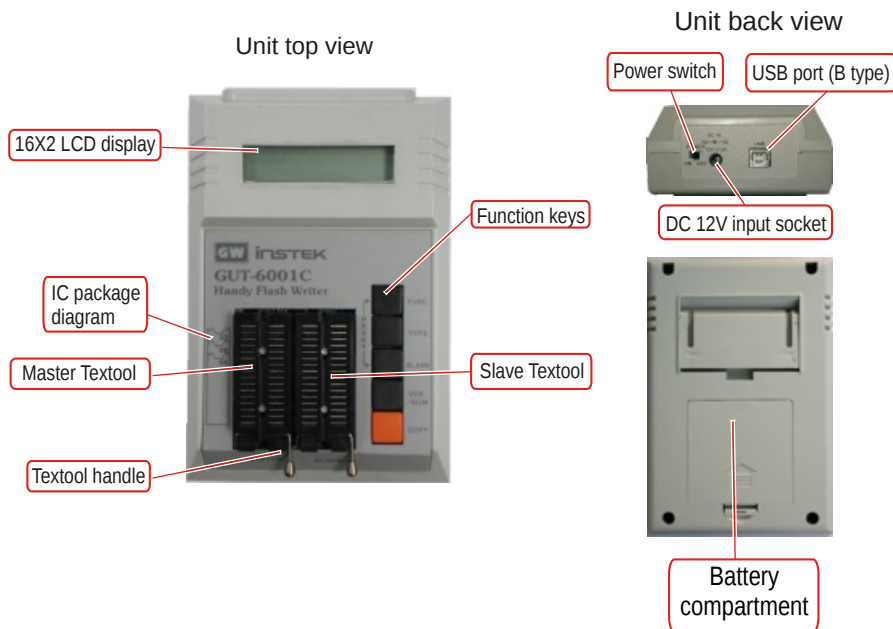


Adaptor



USB cable

Introduction



Attention

1. It is preferred to use an internal USB port of your PC. External USB ports are not recommended because of shared bandwidth and possible compatibility issues of other USB devices.
2. In PC mode operation, the Slave textool is used for all operations. In stand-alone mode, the source IC should be placed in the Master textool and the target IC in the Slave textool.

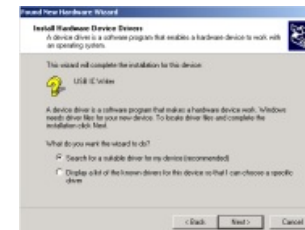
Install software and driver

1. Set Font Size to [small fonts] (96 dpi) to have the optimal display.
 - 1.1 Click the right button on the desktop. -> Select the [Properties] at the bottom of the function menu.
 - 1.2 Select [Settings] and then click the [Advanced] to set Font Size.
2. Install the software before connecting the GUT-6001C to the PC.
 - 2.1 Insert the software CD into your CD-ROM drive. Normally the installation program will start automatically (if Auto Run is enabled for your CD-drive). Follow the instructions to complete installation.
 - 2.2 If Auto Run doesn't work, click [Setup.exe] in the CD directory to start the installation.
3. Install the driver for the GUT-6001C hardware.
 - 3.1 Make sure the GUT-6001C power is [OFF]. Connect the power adaptor to the GUT-6001C and a power outlet.
 - 3.2 Connect the USB cable to PC USB port and to the programmer USB port.
 - 3.3 Turn the GUT-6001C power to [ON]. Windows will now start the [Found New Hardware Wizard].
 - 3.4 Install Hardware Device Driver
 - > Search for a suitable driver for my device (recommended)
 - 3.5 Select Optional search locations
 - > CD-ROM drives
 - 3.6 Driver Files Search Result
 - > Windows will find a driver for this device ...\\driver\\flashwriter.inf
 - 3.7 Click [Finish] in the Found New Hardware Wizard

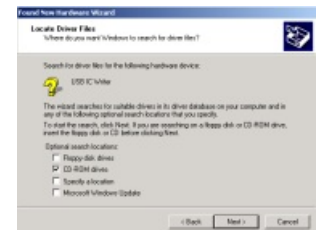
The GUT-6001C software and drivers have now been installed and the unit is ready for usage.



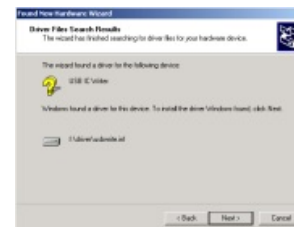
[3.3]



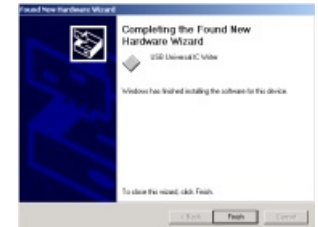
[3.4]



[3.5]



[3.6]



[3.7]

Operation window

Programming source

Load from PC Verify source IC Save file

Read from source IC Edit file Exit program

Source

File: F:\R D\Q & A\WICE-8052\out.hex

Type → Load → Read → Confirm → Edit → Save

Device: ST 29F040B

DeviceSum: 07F6E55F

IC manufacturer, type number

Process

✓ Erase ✓ Check ✓ Prog ✓ Verify Prot

0% 50% 100%

Progress bar

Program process & options

Device verify Check SUM

Run Stop

Programming status

Source file editing

8bits HEX display 16bits HEX display Buffer & file information

Address of data
Click and enter new address.

HEX code Display
Click to enter hexadecimal data.

ASCII code Display
Click to enter text.

Exit edit window

Sum Block Fill

Get data block checksum

Data block - Move/Copy/Swap

Data block - Fill

Confirm changes

Cancel changes

Set data block range by load file size

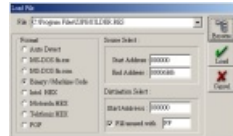
Set data block range by maximum size of buffer

Set data block range by selected IC size

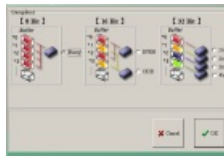
Select IC number



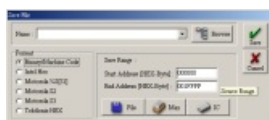
Load file



8/16/32 Bits



Save file



Stand-Alone Operation Mode

Main frame

LCD Display		Keypad	Function Descriptions
IC number	IC Checksum	FUNC.	Select IC Vendor
29F010	E700	TYPE	Switch IC Number
C+P+V	5.00V	BLANK	Blank Check to SLAVE
		VER./SUM	Read Checksum of MASTER and verify with SLAVE
		COPY	Copy MASTER to SALVE

↑ Programming Voltage Procedure

Blank Check

IC number	IC Checksum	Status
29F010	****	Checking >

↑ Status

O.K. → 29F010 ****
Checking PASS

ERROR → 29F010 ****
Checking FAIL

Read & Verify Checksum

IC number	Previous IC Checksum	Status
29F010	26AF	Verify >

↑ Status

O.K. → 29F010 5612
Verify PASS

ERROR → 29F010 12EF
Verify FAIL

COPY

IC number	Previous IC Checksum	Status
29F010	26AF	Verify >

↑ Erase, Check, Program, Verify & Protect according to Prog. Procedure

O.K. → 29F010 1A36
COPY PASS

ERROR → 29F010 1312
Verify FAIL

↑ Wrong procedure

Select IC Vendor

LCD Display	Keypad	Function Descriptions
Select IC Vendor	FUNC.	Select Prog. Procedure
Select Vendor AMD	TYPE	Switch IC Number
↑ IC brand	BLANK	No function
	VER./SUM	Confirm IC brand
	COPY	No function

Programming Procedure

LCD Display	Keypad	Function Descriptions
Select Prog. Procedure	FUNC.	Flash - to select IC Vendor 27CXXX- to select Algorithm
Select Procedure C+P+V	TYPE	Switch Prog. Procedure
↑ Prog. Procedure	BLANK	No function
	VER./SUM	Confirm Prog. Procedure
	COPY	No function

Programming Algorithm

LCD Display	Keypad	Function Descriptions
Select Prog. Algorithm	FUNC.	Select Prog. Algorithm
Select Algorithm Q-100uS	TYPE	Switch Prog. Algorithm
↑ Prog. Algorithm	BLANK	No function
	VER./SUM	Confirm Prog. Algorithm
	COPY	No function

**** Only 27Cxxx ****

Programming Voltage

LCD Display	Keypad	Function Descriptions
Select Prog. Voltage	FUNC.	Select IC Vendor
Select Voltage 12.70V	TYPE	Switch Prog. Voltage
↑ Prog. Voltage	BLANK	No function
	VER./SUM	Confirm Prog. Voltage
	COPY	No function

**** Only 27Cxxx ****



Global Headquarters

GOOD WILL INSTRUMENT CO.,LTD.

No.7-1, Jhongsing Road,Tucheng City,Taipei County 236, Taiwan

T+886-2-2268-0389 F+886-2-2268-0639

E-mail: marketing@goodwill.com.tw

U.S.A. Subsidiary

INSTEK AMERICA CORP.

3661 Walnut Avenue Chino, CA 91710,U.S.A.

T +1-909-5918358 F +1-909-5912280

E-mail: sales@instek.com

Malaysia Subsidiary

GOOD WILL INSTRUMENT (M) SDN. BHD.

27,Persiaran Mahsuri 1/1, Sunway Tunas,

11900 Bayan Lepas, Penang, Malaysia.

T+604-6309988 F +604-6309989

E-mail: sales@goodwill.com.my

China Subsidiary

INSTEK ELECTRONIC (SHANGHAI) CO., LTD.

8F, of NO.2 Building, NO.889 Yishan Road, Shanghai China

T +86-21-6485-3399 F +86-21-5450-0789

E-mail: marketing@instek.com.cn

Japan Subsidiary

INSTEK JAPAN CORPORATION

4F, Prosper Bldg, 1-3-3 Iwamoto-Cho Chiyoda-Ku,

Tokyo 101-0032 Japan

T +81-3-5823-5656 F +81-3-5823-5655

E-mail: info@instek.co.jp

Korea Subsidiary

GOOD WILL INSTRUMENT KOREA CO., LTD.

Room No.805, Ace Hightech-City B/D 1Dong,

Mullae-Dong 3Ga 54-66, Yeongduengpo-Gu, Seoul, Korea

T+82 2 3439 2205 F +82 2 3439 2207

E-mail: sales@gwinstek.co.kr