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IMPORTANT: Before operating or maintaining this unit, please read this manual carefully, paying extra attention to the safety warnings and precautions.

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Safety Information

For your own safety and the safety of others, and to prevent possible electrical shock, fire, or damage to the device, your computer or the MaxiSys tablet on which it is applied, it is important that the safety instructions herein presented throughout this manual be read and understood by all persons operating, or coming into contact with, the device.

Before using the device, always refer to and follow the safety messages. Read, understand, and follow all safety messages and instructions in this manual. Safety protection built in the device may cease to function if the device is used incorrectly. This could cause damage to your device, or lead to injury to yourself and others. In addition, follow all generally accepted safety practices and procedures for working with and around electricity.

Symbols

These safety and electrical symbols may appear on the product or in this manual.

Symbols	Description
	Direct current.
	Alternating current.
	Chassis ground terminal.
	Device protected throughout by double insulation or reinforced insulation.
	Possibility of electric shock.
	Warning.
	Static awareness. Static discharge can damage parts.
CAT	EN61010 measurement category.
	Do not dispose of this product as unsorted municipal waste.

Safety Messages

Safety messages are provided to help prevent personal injury and equipment damage. All safety messages are introduced by a signal word indicating the hazard level.



DANGER: Indicates conditions or practices that could result in death or serious injury to the operator or to bystanders.



WARNING: Indicates conditions or practices that could result in damage to the product or equipment to which it is connected.

Safety Instructions

The safety messages herein cover situations Autel is aware of. Autel cannot know, evaluate or advise you as to all of the possible hazards. You must be certain that any condition or service procedure encountered do not jeopardize your personal safety.

A. Maximum input ranges

Observe all terminal ratings and warnings marked on the product.



DANGER:

- To prevent electric shock, operate within the safe input range for the scope, refer to [2.1.3 Technical Specifications](#) on page 4.
- To prevent electric shock, take all necessary safety precautions when working on equipment where voltages above the specified input range may be present. Contact with voltages outside of the specified measuring range presents a risk of electric shock.
- To prevent injury or death, the oscilloscope must not be directly connected to the mains (line power). To measure mains voltages, use a differential isolating probe specifically rated for mains use.



WARNING:

- Operation outside of the safe input range is likely to cause permanent damage to the oscilloscope and other connected equipment.

B. Grounding



DANGER:

- The scope's ground connection through the USB cable is for measurement purposes only. The oscilloscope does not have a protective safety ground.
- Do not connect the ground input (chassis) to any electrical power source. To prevent personal injury or death, use a voltmeter to check that there is no significant AC or DC voltage between the oscilloscope ground and the point to which you intend to connect it.



WARNING:

- Applying a voltage to the ground input is likely to cause permanent damage to the oscilloscope, the attached computer, and other equipment.
- To prevent measurement errors caused by poor grounding, always use the high-quality USB cable supplied with the oscilloscope.

Safety Information

C. External connections



DANGER:

- To prevent injury or death, use only the power cord and adaptor supplied with the product.

D. Environment



DANGER:

- To prevent injury or death, do not use in wet or damp conditions, or around explosive gas or vapor.



WARNING:

- To prevent damage, always use and store your oscilloscope in appropriate environments. For detailed information on temperature and humidity specifications for both the storage and usage of the oscilloscope, see [2.1.3 Technical Specifications](#) on page 4.

E. Product Maintenance

The product contains no user-serviceable parts. Repair, servicing and calibration require specialized test equipment and must only be performed by Autel Tech Support or an approved service provider.



DANGER:

- To prevent injury or death, do not use the product if it appears to be damaged in any way, and stop use immediately if you are concerned by any abnormal operations.



WARNING:

- Do not tamper with or disassemble the oscilloscope, connectors or accessories. Internal damage will affect performance.
- Do not block any of the instrument's air vents as overheating will cause damage to the oscilloscope.
- When cleaning the oscilloscope, use wet soft cloth with mild detergent in water. Do not allow water to enter the oscilloscope casing, as this will cause damage to the electronics inside.

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Chapter 1 Using This Manual

This manual contains device usage instructions.

Some illustrations shown in this manual may contain features and optional equipment that are not included on your system. Contact your sales representative for availability of other features and optional tools or accessories.

1.1 Conventions

The following conventions are used.

1.1.1 Bold Text

Bold emphasis is used to highlight selectable items such as buttons and menu options.

Example:

- Click **OK**.

1.1.2 Terminology

The term “select” means highlighting a button or menu item and clicking it to confirm the selection.

1.1.3 Notes and Important Messages

The following messages are used.

Notes

A **NOTE** provides helpful information such as additional explanations, tips, and comments.

A “*” or “**” symbol indicates that a related **NOTE** is written following the specific content.

Important

IMPORTANT indicates a situation which, if not avoided, may result in damage to the equipment, or the attached computer.

1.1.4 Hyperlinks

Hyperlinks, or links, that take you to other related articles, procedures, and illustrations are available in electronic documents. Blue colored text indicates a selectable hyperlink.

1.1.5 Procedures

An arrow icon indicates a procedure.

Example:

➤ **To install the Setup.exe program**

1. Insert the CD into the CD-ROM of the computer. The driver installation wizard will load momentarily.
2. Click on **Next** on the welcome page.
3. Click the **Change** button, and select a destination folder to install the program, and click **Next** to continue. Or directly click **Next** to continue without changing the default installation folder.
4. Click **Install** and the Setup.exe program will be installed onto the computer.

Chapter 2 General Introduction

The MaxiScope™ MP408 is a PC based 4-channel automotive oscilloscope. It works in combination with your PC or MaxiSys Tablet, which turns into a powerful diagnostic tool, showing you what is really going on with a vehicle's electronic circuits. The system can be used to measure and test almost all of the electrical and electronic components and circuits in any modern vehicles.

Power for the MaxiScope MP408 Module comes directly from the USB port of the connected PC, so no batteries or power leads are required, making the system very versatile and portable to use.

This manual describes the construction and operation of the product and how it works to deliver test results.

2.1 MP408 Scope Module

2.1.1 Functional Description

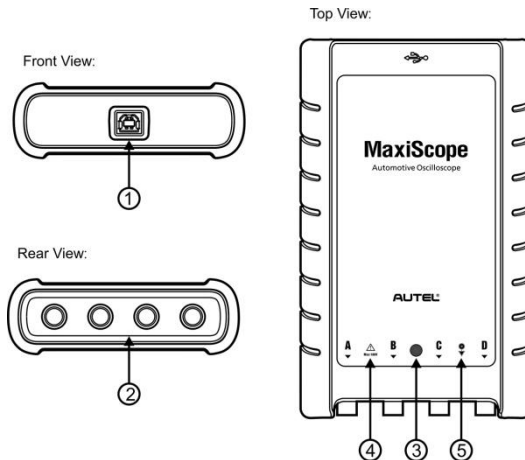


Figure 2-1 Front, Rear, and Top View

1. **USB Port Connector**
2. **Input Channel A/B/C/D**
3. **LED Breath Light** – lights up when powered on, blinks when communicating, and shimmers when error occurs

4. **Warning Triangle** – indicates potential safety hazard that exists on the indicated connections, and appropriate precautions should be taken. Make sure you read through the [Safety Information](#) before using.
5. **Equipotential Symbol** – indicates the outer shells of the indicated BNC connectors are all at the same potential. Therefore, necessary precautions should be taken to avoid applying a potential through the return connections of the indicated BNC terminals, as this may result in a large current flow, causing damage to the product and the connected equipment.

2.1.2 Power Source

The MaxiScope MP408 Scope Module is powered directly by the USB port of the connected PC, no batteries or power leads are required, making it suitable for use both for workshop-based and mobile automotive diagnostics.

2.1.3 Technical Specifications

Main Features	Description
Vertical resolution	12 bits
Channels	4
Bandwidth	20MHz
Accuracy	1%
Sensitivity	10mV/div to 20V/div
Input Ranges (full scale)	$\pm 50\text{mV}$ to $\pm 100\text{V}$ in 11 ranges
Input Impedance	1M Ω in parallel with 22pF
Input Type	Single-ended, BNC connector
Input Coupling	Software selectable AC/DC
Overload Protection	$\pm 200\text{V}$ on single input
Maximum Sampling Rate (Single Shot)	
1 or 2 channels in use	80MS/s*
3 or 4 channels in use	20MS/s
Buffer Memory	32M samples shared among active channels
Waveform Buffer	Up to 1000 waveforms
Timebase Ranges	100ns/div to 1000s/div
Advanced Features	Math channels, Measurements

Triggers	Description
Source	Any input channel
Basic Triggers	Auto, Repeat, Single, None
Advanced Triggers	Rising edge, Falling edge
Environmental	Description
Operating Temperature Range	0 to 50°C (15 to 40°C for quoted accuracy)
Storage Temperature Range	-20 to +60°C
Storage Humidity Range	5 to 95%RH, Non-condensing
Physical Characteristics	Description
Dimensions (Protection rubber case included)	190X115X38mm
Weight	<0.5kg
General	Description
PC Interface	USB 2.0 – cable supplied
Power Requirements	Powered from USB port
Compliance	FCC (EMC), CE (EMC and LVD), RoHS
Warranty	1 year

NOTE*: Reduced to 20MS/s if channels A and B, or C and D, are enabled.

2.2 Accessory Kit

The MaxiScope MP408 Automotive Oscilloscope Kit is available with 2 versions - Basic and Advanced Kit - for your option. The table below gives descriptions of the hardware and accessories supplied with the package.

NOTE: *B Kit = Basic Kit; A Kit = Advanced Kit*








Image	Description & Quantity
	Compact Disc (CD) - X1 in B Kit or A Kit Includes the User Manual, MaxiScope Software and Driver Program, etc.
	1.5m USB Cable - X1 in B Kit or A Kit Connects the Scope Module to the computer.

Image	Description & Quantity
	<p>3m (10ft) Screened Test Leads - X4 in B Kit or A Kit BNC to 4mm. Connects the Scope Module to a test probe. Screened to keep out electrical interference.</p>
	<p>Secondary Ignition Pickup - X1 in B Kit; X4 in A Kit For safe probing of HT leads without danger from high voltages.</p>
	<p>2-pin Breakout Lead - X1 in B Kit or A Kit For standard 2-pin sensors and actuators. With 4mm plugs to connect to MaxiScope test leads.</p>
	<p>Attenuators 20:1 - X2 in B Kit; X4 in A Kit Extends the range of the MaxiScope up to $\pm 400V$ to deal with primary ignition. See more information at 2.2.1 Attenuators on page 7.</p>
	<p>Large Crocodile Clip Set - X1 Pair in B Kit or A Kit For hands-free probing of wires and small terminals.</p>
	<p>Small Crocodile Clip Set - X1 Pair in B Kit or A Kit For hands-free probing of wires and small terminals.</p>
	<p>Acupuncture Probe Set - X1 in B Kit or A Kit For back-probing connectors without cutting or piercing the insulation. Accepts 4mm plugs.</p>
	<p>Multimeter Probes – X1 Pair in B Kit; X2 pair in A Kit For making voltage measurements. Accepts 4mm plugs.</p>
	<p>HT306 6-Way Universal Breakout Leads - X1 in A Kit Break into almost any connector up to 6 ways. Accepts 4mm plugs. (4 sizes supplied:0.6mm/1.5mm/2.3mm/2.8mm)</p>

Image	Description & Quantity
	<p>60cm Spark Plug Extension Lead (With Ground Leads) – X4 in A Kit Fits between coil pack and spark plug to give access to the HT lead. Suitable for use with secondary ignition pickup.</p>
	<p>65A Current Clamp – X1 in A Kit Screened cable with BNC connector to keep out electrical interference.</p>
	<p>650A Current Clamp – X1 in A Kit Screened cable with BNC connector to keep out electrical interference.</p>
	<p>60MHz High-speed Probe – X1 in A Kit For accurate measurement of fast signals like CAN bus and FlexRay. Standard BNC plug.</p>
	<p>Fuse Extension Lead (20A/30A) – X1 Pair in A Kit In both mini and standard sizes. Plug the original fuse into the lead; plug the lead in the fuse socket, then use a current clamp to measure fuse current.</p>

2.2.1 Attenuators

The attenuator supplied with the MaxiScope kit is a small adapter, usually connected to the BNC connectors between the Scope Module and the test lead; it is used to scale down the voltage input to the scope module when the measured voltage is likely to exceed 100 volts.

Each channel fitted with an attenuator must be configured using the Probes Menu. This ensures that the voltages displayed by MaxiScope are correct. For more information, see [Probes Menu](#) on page 15.

Chapter 3 Getting Started

The MaxiScope MP408 is a PC based automotive oscilloscope. Make sure to install the MaxiScope PC software before connecting the scope module for the first time.

Some illustrations shown in this manual may contain options or functions that are not included on your system. Contact your sales representative for availability of these features.

3.1 System Requirements

To ensure the MaxiScope operates correctly, use a computer with at least the minimum system requirements as shown in the table below. A more powerful PC will improve the performance of the MaxiScope software.

Item	Minimum Specification	Recommended Specification
Operating System	Windows XP (SP3), Windows Vista, Windows 7, and Windows 8. 32-bit (not for Windows RT)	
Processor	300MHz	1GHz
Memory	256MB	512MB
Free disk Space*	1GB	2GB
Ports	USB 1.1 Port	USB 2.0/3.0 Port

NOTE*: The MaxiScope software does not use all the disk space specified in the table. The free space is required to make Windows run efficiently.

3.2 Installing MaxiScope Software

The MaxiScope Software is a processing program that runs on the computer, which presents as an operating interface displaying waveforms and menus, allowing you to set the testing options, triggers, probe types and various configurations.

The CD provided with the MaxiScope kit contains the MaxiScope software Setup.exe program and a User Manual in PDF format.

➤ **To install the Setup.exe program**

1. Insert the CD into the CD-ROM of the computer. The driver installation wizard will load momentarily.
2. Click on **Next** on the welcome page.

3. Click the **Change** button, and select a destination folder to install the program, and click **Next** to continue. Or directly click **Next** to continue without changing the default installation folder.
4. Click **Install** and the Setup.exe program will be installed onto the computer.

3.3 Powering Up

After the software is successfully installed, connect the Scope Module to the computer using the USB cable supplied. The LED breath light on the top of the module will turn on with a steady green light when powered up.

When connecting the MaxiScope to the computer for the first time, the **New Hardware Found Wizard** window will pop up. Follow its instructions onscreen to finish the process, which runs automatically.

Select **MaxiScope** from the Windows **Start** menu.

If the Scope Module has a probe connected, touching the probe tip with a finger will show a small 50Hz or 60Hz signal on the operating interface.

3.4 Powering Down

The Scope Module is automatically powered off when disconnected from the computer. To make sure all test results are collected and recorded, always close the MaxiScope Software before disconnecting the Scope Module.

3.5 Troubleshooting

This part describes problems you may encounter while using the oscilloscope.

PC Communication Error

If you cannot communicate the Scope Module to the computer, you need to do the following check-ups:

- ✓ Check if the USB connection is properly connected between the Scope Module and the PC.
- ✓ Check if the LED breath light on the Scope Module is illuminated. If the LED light is shimmering, this indicates that a communication error has occurred. In this case, unplug the Scope Module and re-connect it to the computer.
- ✓ Check if there is any firewall software interfering with the connection port.

Chapter 4 Software Operations

The MaxiScope software is a signal processing program that displays the shape of electrical signals onscreen as a live graph showing voltage against time. The grid on the screen shows divisions of voltage and time to enable measurements to be made. Units of voltage per division are shown down the side of the scope screen while units of time per division are shown along the bottom. The graph is referred to as a waveform and the scope repeatedly draws the trace across the screen from left to right.

4.1 Screen Layout and Operations

After properly connecting the Scope Module to the computer, double click on the **MaxiScope** software icon on the desktop and the start-up screen is displayed.

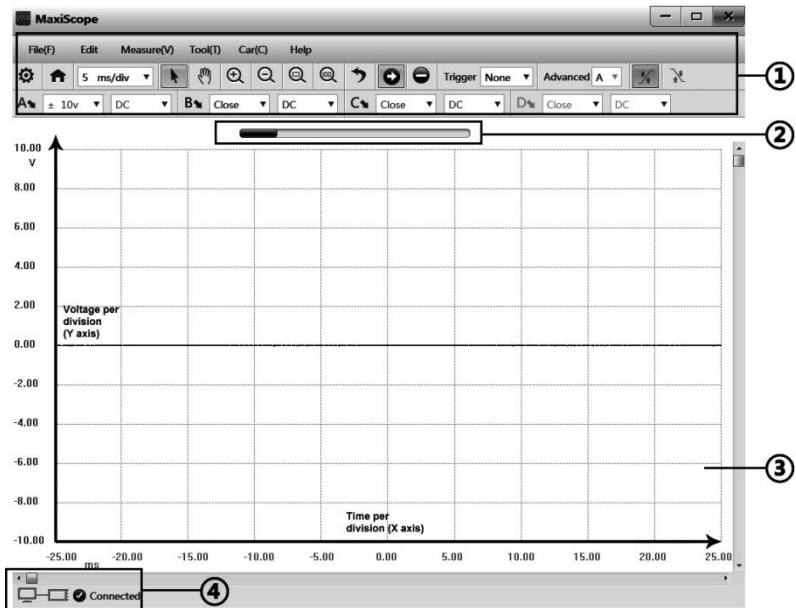


Figure 4-1 MaxiScope Program Interface Layout

1. **Menu and Toolbars** – configure various settings and operations of the scope
2. **Scrollbar** – allows convenient viewing of waveform pages

3. **Measurement Grid** – displays measurements of voltage against time
4. **Connection Status Icon** – indicates the connection status between the Scope Module and the computer

4.1.1 Menu and Toolbars

The Menu and Toolbars on the top of the screen consist of 3 parts:

- Top Menu
- Toolbar
- Channel Controls

A. Top Menu

These are dropdown menus with options for operations and configurations of the MaxiScope, the operations of which are described below:

- **Files** – contains control options of the program, such as opening and saving data files, exiting the program, and performing firmware update. The **Connect Device** option allows you to select the Scope Module for connection.
- **Edit** – contains options for saving testing files as Bitmap or Txt
- **Measure** – allows adding, editing, or deleting lists of measurement statistics displayed at the bottom of the screen, with options for various measurement types.
- **Tool** – contains various measurement tools for reference and assessment of data analysis.
- **Car** – contains a library of waveforms. Selecting one allows automatic set-up of the scope to capture a waveform of the specific type.
- **Help** – contains MaxiScope User Manual and options for various services















B. Toolbar

The toolbar contains various functional buttons for configurations of the MaxiScope trigger mode and the scope screen display mode, etc.

Toolbar Buttons

Operations of the Toolbar Buttons are described in the table below:

Table 4-1 *Toolbar Buttons*

Name	Button	Description
Auto Setup		Clicking this button automatically sets up the measurement scale and time base.
Home		Resets to default setting of measurement scale.
Select		Allows selecting items by clicking.
Hand		Allows you to drag the graph to move it around within the view. This moves all channels of data at the same time.
Zoom In		Click on the graph to zoom in on a point of interest. This zooms all channels of data at the same time.
Zoom Out		Click on the graph to zoom out to a wider view. This zooms all channels of data at the same time.
Full View		Zooms out fully to view the entire graph.
Windowed Zoom		Click and drag a window around an area of interest on the graph to zoom in on all channels of data at the same time.
Undo Zoom		Returns the current view to the previous zoom.
Start		Starts the scope.
Stop		Stops the scope.
Rising Edge		Triggers on rising edges.*
Falling Edge		Triggers on falling edges.*
Dropdown Arrow		Clicking this button opens the dropdown menu.

NOTE*: By selecting the Rising Edge or Falling Edge option when the trigger mode is activated, the trigger is set to occur so that the scope starts to draw the waveform either by a rising or a falling voltage.

Time Base Menu

The Time Base menu allows users to select an appropriate time per division. The time per division (10 divisions) is displayed along the bottom of the screen. The time base adjustment affects all of the active scope channels at once. See more information at [4.1.2 Measurement Grid](#) on page17.

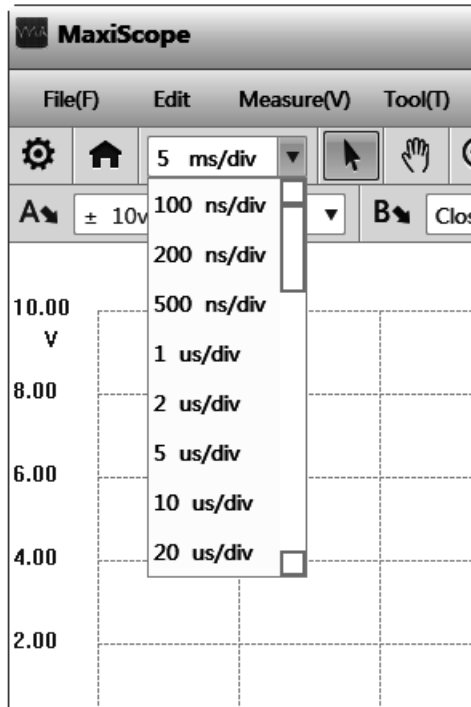


Figure 4-2 Time Base Menu

Trigger Controls

The MaxiScope can be set to start drawing the waveform with a pre-defined threshold voltage level, which is called triggering.

To trigger the MaxiScope, open the **Trigger Mode** menu by clicking the dropdown arrow next to the trigger menu box. 4 trigger modes are available for the MaxiScope. Select the trigger mode from the dropdown menu by clicking the desired option. Auto Mode is most commonly used.

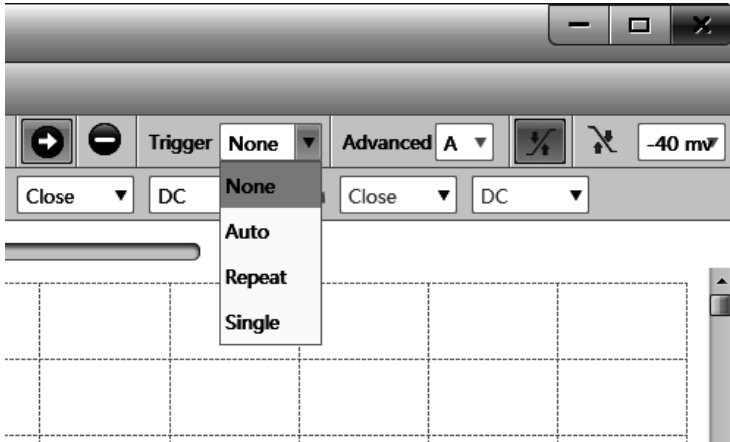


Figure 4-3 Trigger Mode Menu

A trigger can be assigned to a specific channel of the scope as required by clicking the dropdown arrow beside the **Trigger Channel** menu.

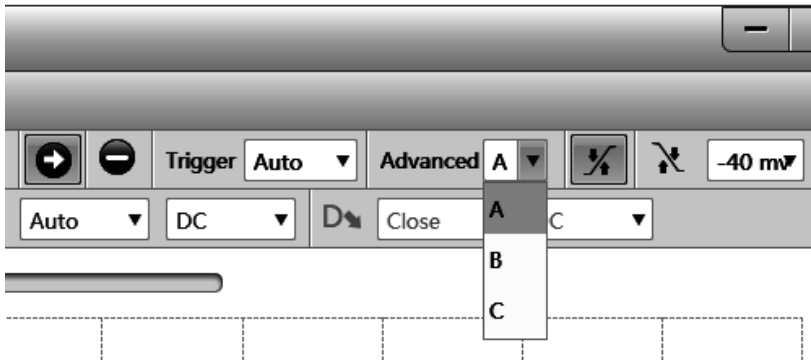


Figure 4-4 Trigger Channel Menu

C. Channel Controls

The different channels of the MaxiScope are displayed in different colors as follows:

- Channel A: Red
- Channel B: Green
- Channel C: Blue
- Channel D: Pink

Channel A is active by default while the other channels are switched off when the system starts up.

Probes Menu

The Probes Menu is available for each channel of the MaxiScope. By clicking the relevant channel button, a dropdown menu with a list of optional probes displays.

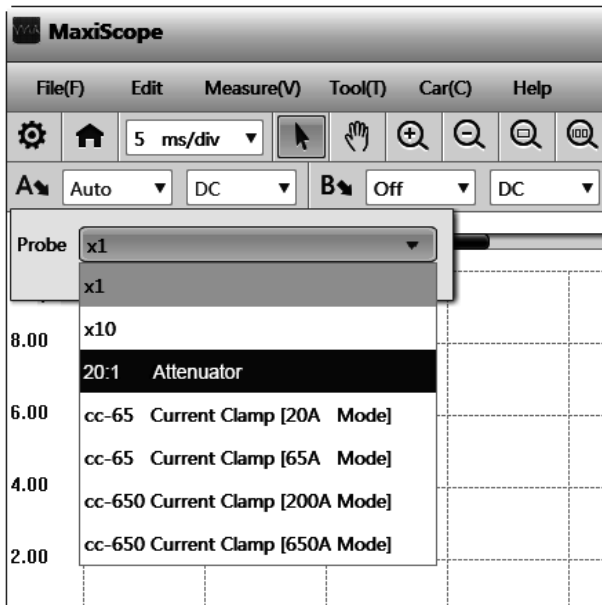


Figure 4-5 Sample Probes Menu

Voltage Scale Adjustment

Voltage adjustments for the MaxiScope are carried out by options on the dropdown menus. The sample dropdown menu of Channel A for selecting basic voltage measurement scales are shown in the screenshot below:

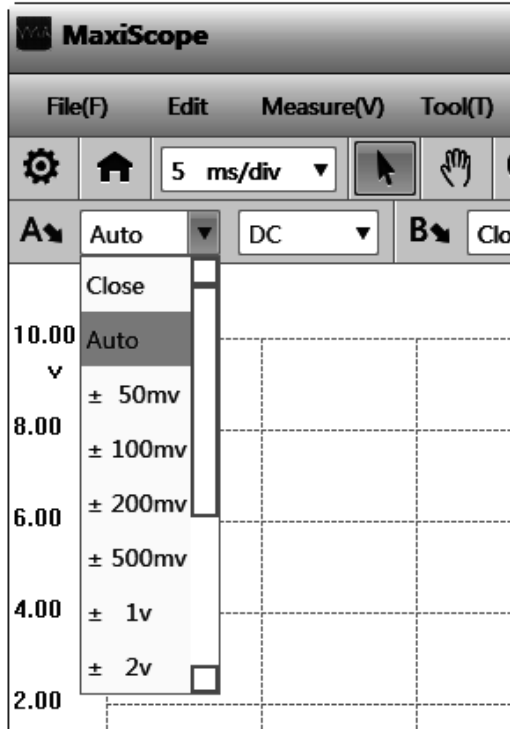


Figure 4-6 Voltage Scale Dropdown Menu

The default voltage scale setting for Channel A is **Auto**. If Channel A is connected to a circuit, MaxiScope automatically selects an appropriate scale to obtain a test reading. **Auto** can also be selected for each of the other channels.

AC/DC Control

The AC/DC dropdown menu is available for each channel, which allows users to select AC or DC measurements. See [AC/DC Control](#) on page 20.

4.1.2 Measurement Grid

The 2 control features - Voltage per division and Time per division – enable the users to adjust the scope settings to suit the particular test measurement.

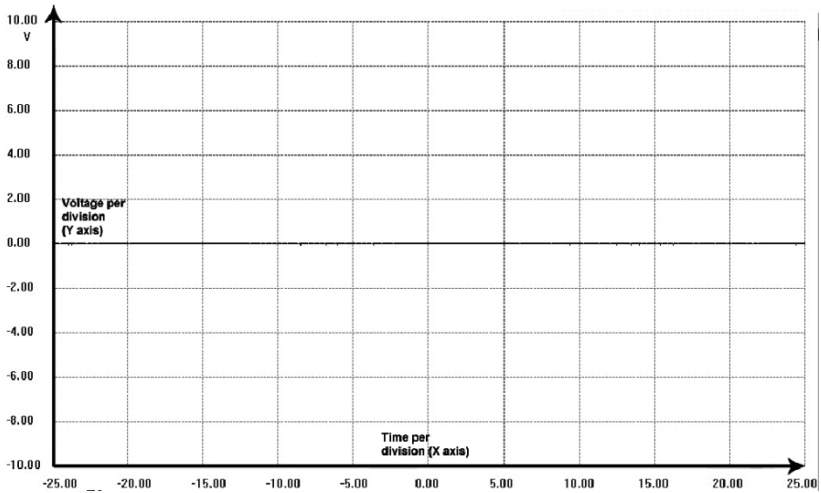


Figure 4-7 Sample Measurement Grid

- **Voltage per division** – shown down the side of the screen, referred to as the Y-axis
- **Time per division** – shown along the bottom of the screen, referred to as the X-axis

Multiple Scope Channels

The MaxiScope software features multiple channel display which enables more than one waveform to be displayed at the same time. It is useful for making comparisons among different signals. The voltage per division for each channel is adjusted individually while the time base per division is the same for all channels.

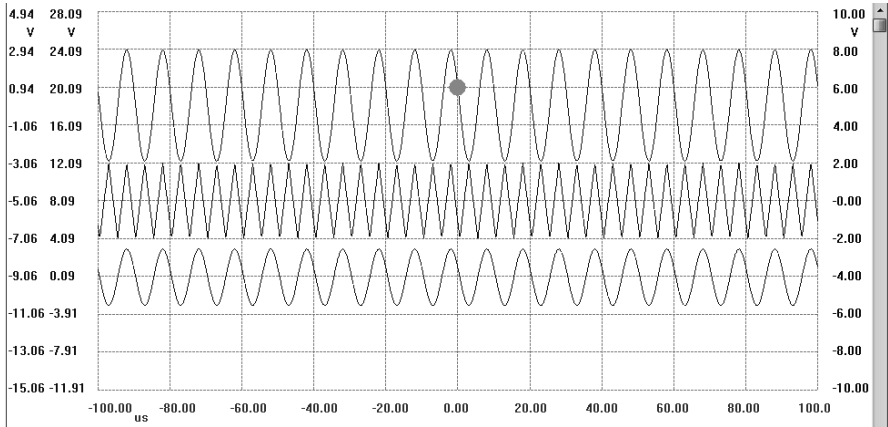


Figure 4-8 Sample Multiple Channel Display

Adjustment Icons

By simply moving the 2 adjustment icons onscreen, users can adjust the Y-axis position and the trigger threshold conveniently:

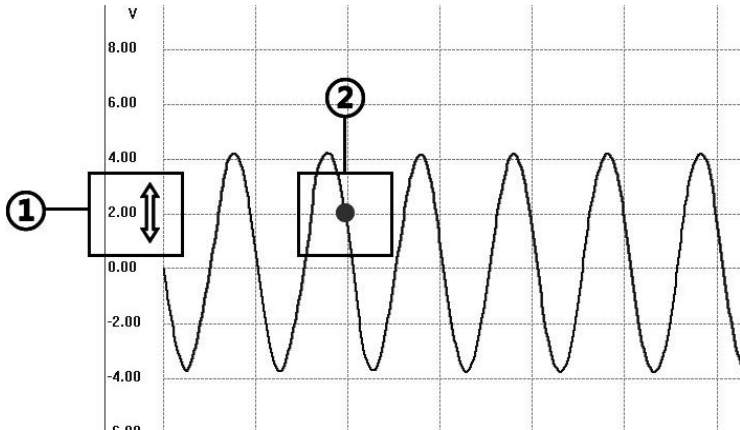


Figure 4-9 Adjustment Icons

1. **Double Ended Arrow** – Move the mouse pointer to the side of the scope screen and hover the pointer over the voltage units, the mouse pointer changes to this icon. Move the double ended arrow up and down to adjust the Y-axis.

- 2. Trigger Threshold Marker** – Clicking on a specific position within the measurement grid when the trigger mode is activated displays the trigger marker. Adjust the trigger threshold by simply clicking and dragging the trigger marker to the desired position.

Reference Box

As a quick reference, an instantaneous measurement of voltage and time can be made by clicking at the desired position on the scope screen. A small box appears showing the voltage and time.

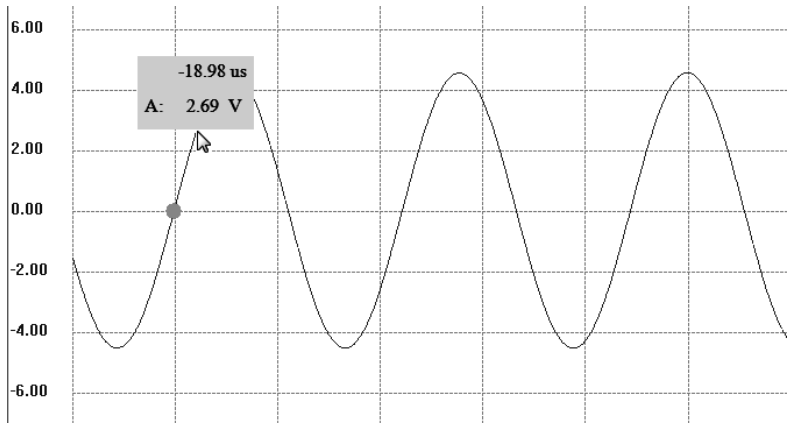


Figure 4-10 Sample Reference Box

Chapter 5 Glossary

AC/DC Control

Each channel can be set to either AC coupling or DC coupling. With DC coupling, the voltage displayed onscreen is equal to the true voltage of the signal with respect to ground. With AC coupling, any DC component of the signal is filtered out, leaving only the variations in the signal for the AC component.

Aliasing

When the signal frequency gets higher than half the scope's maximum sampling rate and exceeds the limit, a distorted waveform appears. This distortion is called aliasing.

Analog Bandwidth

All oscilloscopes have an upper limit to the range of frequencies at which they can measure accurately. The analog bandwidth of an oscilloscope is defined as the frequency at which a displayed sine wave has half the power of the input sine wave (about 71% of the amplitude).

Block Mode

A sampling mode in which the computer prompts the oscilloscope to collect a block of data into its internal memory before stopping the oscilloscope and transferring the whole block into computer memory. This mode of operation is effective when the input signal being sampled is high frequency.

Buffer Size/Cache Size

This term indicates the size of the oscilloscope's buffer memory. The buffer memory is used by the oscilloscope to temporarily store data. This helps to compensate for the differences in data transfer rate from one device to another.

Sampling Rate

This term is used to define the number of samples per second captured by the oscilloscope. The faster the sampling rate of the scope, the more frequently it measures the signal voltage, and so the more detailed will be the trace that appears on the scope screen.

Streaming Mode

This term indicates a sampling mode in which the oscilloscope samples data and returns it to the computer in an unbroken stream. This mode of operation is effective when the input signal being sampled is at low frequency.

Time Base

The time base controls the time interval across the scope display.

Voltage Range

The voltage range is the range between the maximum and minimum voltages that can be accurately captured by the oscilloscope.

Sinusoidal Waveform

This term describes the waveform characteristics typically found in circuits with large inductance and capacitance, and often referred to as an AC signal. The waveform alternates either side of 0 volts or may rise and fall creating a regular sinusoidal shape:

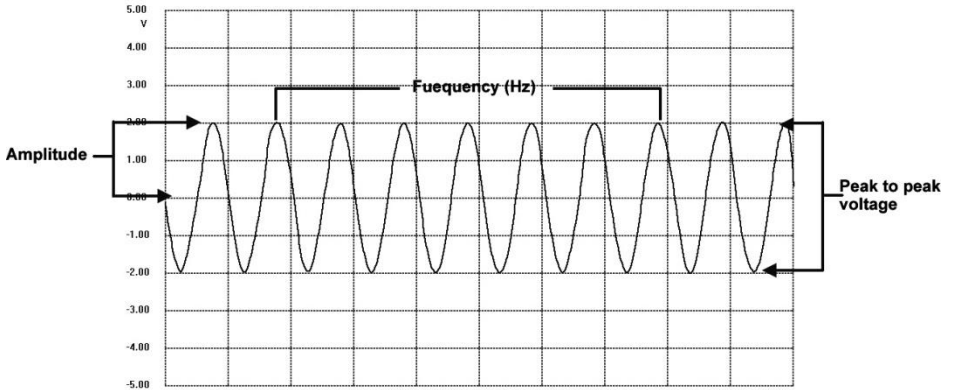


Figure 5-1 Sample Sinusoidal Waveform

Amplitude

This term indicates the maximum voltage generated from the zero volts line of the oscilloscope.

Frequency

This term describes the number of signal occurrences per second. Frequency is measured in Hz (hertz).

Square Waveform

This term describes the waveform characteristics normally generated by signals switching between clearly defined voltage levels, such as a Hall effect sensor signal may create by switching a voltage to ground. A typical digital square waveform is shown below:

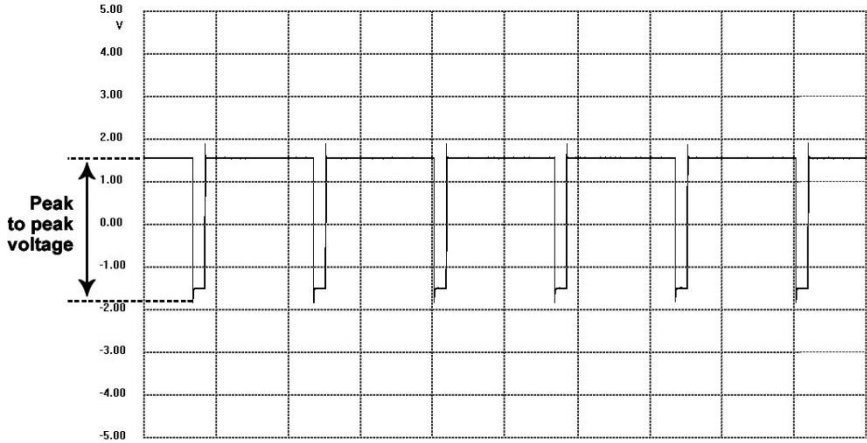


Figure 5-2 Sample Square Waveform

Peak to peak voltage

This term indicates the difference in voltage between the minimum and maximum voltages occurring in the waveform.

Chapter 6 Product Service

This section introduces information for technical support, repair service, and application for replacement or optional parts.

Technical Support

If you have any question or problem on the operation of the product, please:

- Call 1-855-288-3587/1-855-AUTELUS (North America), or 0086-755-86147779 (China).
- Contact the local distributor or agent.
- Visit our website <http://pro.autel.com> or www.autel.com.

Repair Service

If it becomes necessary to return your device for repair, please download the repair service form from www.autel.com, and fill in the form. The following information must be included:

- Contact name
- Return address
- Telephone number
- Product name
- Complete description of the problem
- Proof-of-purchase for warranty repairs
- Preferred method of payment for non-warranty repairs

NOTE: For non-warranty repairs, payment can be made with Visa, Master Card, or with approved credit terms.

Send the device to your local agent, or to the below address:

6th-10th Floor, Building B1, Zhiyuan, Xueyuan Road, Xili, Nanshan, Shenzhen, 518055, China

Other Services

You can purchase the optional accessories directly from Autel's authorized tool suppliers, and/or your local distributor or agent.

Product Service

Your purchase order should include the following information:

- Contact information
- Product or part name
- Item description
- Purchase quantity

Chapter 7 Compliance Information

FCC Compliance

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and **(2)** this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Chapter 8 Warranty

12-Month Limited Warranty

Autel Intelligent Technology Corp., Ltd. (the Company) warrants to the original retail purchaser of this MaxiSys Elite Diagnostic Device, that should this product or any part thereof during normal consumer usage and conditions, be proven defective in material or workmanship that results in product failure within twelve (12) months period from the date of delivery, such defect(s) will be repaired, or replaced (with new or rebuilt parts) with Proof of Purchase, at the Company's option, without charge for parts or labor directly related to the defect(s).

The Company shall not be liable for any incidental or consequential damages arising from the use, misuse, or mounting of the device. Some states do not allow limitation on how long an implied warranty lasts, so the above limitations may not apply to you.

This warranty does not apply to:

- a) Products subjected to abnormal use or conditions, accident, mishandling, neglect, unauthorized alteration, misuse, improper installation or repair or improper storage;
- b) Products whose mechanical serial number or electronic serial number has been removed, altered or defaced;
- c) Damage from exposure to excessive temperatures or extreme environmental conditions;
- d) Damage resulting from connection to, or use of any accessory or other product not approved or authorized by the Company;
- e) Defects in appearance, cosmetic, decorative or structural items such as framing and non operative parts.
- f) Products damaged from external causes such as fire, dirt, sand, battery leakage, blown fuse, theft or improper usage of any electrical source.

IMPORTANT: All contents of the product may be deleted during the process of repair. You should create a back-up copy of any contents of your product before delivering the product for warranty service.
