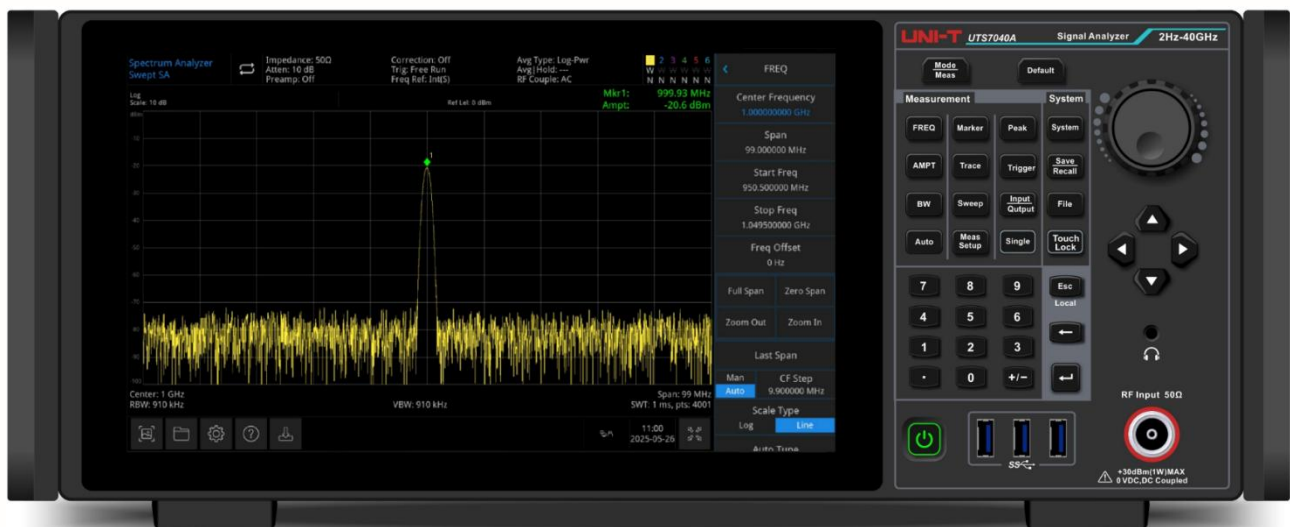


UTS7000A Series

Signal Analyzer

Quick Guide

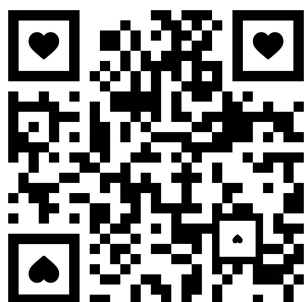


V1.1

December , 2025

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Chapter 1 Instructions Manual

This manual outlines the safety requirements, installation and the operation of UTS5000A Series Signal Analyzer.

1.1 Inspecting Packaging and List

When you receive the instrument, please check the packaging and list by the following steps.

- Check whether the packing box and padding material have been compressed or damaged by external forces and inspect the appearance of the instrument. If you have any questions about the product or need consulting services, please contact the distributor or local office.
- Carefully take out the article and check it with the packing instructions.

1.2 Safety Instructions

This chapter contains information and warnings that must be observed. Ensure that the instrument is operated under safe conditions. In addition to the safety precautions indicated in this chapter, you must also follow accepted safety procedures.

Safety Precautions	
Warning	Please follow these guidelines to avoid possible electric shock and risk to personal safety.
	Users must adhere to standard safety precautions during the operation, servicing, and maintenance of this device. UNI-T will not be liable for any personal safety and property loss caused by the user's failure to follow the safety precautions. This device is designed for professional users and responsible organizations for measurement purposes. Do not use this device in any manner not specified by the manufacturer. This device is intended for indoor use only, unless otherwise stated in the product manual.
Safety Statements	
Warning	"Warning" indicates the presence of a hazard. It warns users to pay attention to a certain operation process, operation method or similar. Personal injury or death may occur if the rules in the "Warning" statement are not properly executed or observed. Do not proceed to the next step until you fully understand and meet the conditions stated in the "Warning" statement.
Caution	"Caution" indicates the presence of a hazard. It warns users to pay attention to a certain operation process, operation method or similar. Product damage

	or loss of important data may occur if the rules in the "Caution" statement are not properly executed or observed. Do not proceed to the next step until you fully understand and meet the conditions stated in the "Caution" statement.	
Note	"Note" indicates important information. It reminds users to pay attention to procedures, methods, and conditions, etc. The contents of "Note" should be highlighted if necessary.	
Safety Signs		
	Danger	It indicates danger of electric shock, which may cause personal injury or death.
	Warning	It indicates that there are factors you should be cautious of to prevent personal injury or product damage.
	Caution	It indicates danger, which may cause damage to this device or other equipment if you fail to follow a certain procedure or condition. If the "Caution" sign is present, all conditions must be met before you proceed with the operation.
	Note	It indicates potential problems, which may cause failure of this device if you fail to follow a certain procedure or condition. If the "Note" sign is present, all conditions must be met before this device will function properly.
	AC	Alternating current device. Please check the region's voltage range.
	DC	Direct current device. Please check the region's voltage range.
	Grounding	Frame and chassis grounding terminal
	Grounding	Protective grounding terminal
	Grounding	Measurement grounding terminal
	OFF	Main power off
	ON	Main power on
	Power	Standby power supply: When the power switch is turned off, this device is not completely disconnected from the AC power supply.
CAT I		Secondary electrical circuit connected to wall sockets through transformers or similar equipment, such as electronic instruments and electronic equipment; electronic equipment with protective measures, and any high-voltage and low-voltage circuits, such as the copier in the office.
CAT II		Primary electrical circuit of the electrical equipment connected to the indoor socket via the power cord, such as mobile tools, home appliances, etc. Household appliances, portable tools (e.g., electric drill), household sockets, sockets more than 10 meters away from CAT

		III circuit or sockets more than 20 meters away from CAT IV circuit.
CAT III		Primary circuit of large equipment directly connected to the distribution board and circuit between the distribution board and the socket (three-phase distributor circuit includes a single commercial lighting circuit). Fixed equipment, such as multi-phase motor and multi-phase fuse box; lighting equipment and lines inside large buildings; machine tools and power distribution boards at industrial sites (workshops).
CAT IV		Three-phase public power unit and outdoor power supply line equipment. Equipment designed to "initial connection," such as power distribution system of power station, power instrument, front-end overload protection, and any outdoor transmission line.
	Certification	CE indicates a registered trademark of EU.
	Certification	UKCA indicates a registered trademark of the United Kingdom.
	Certification	Conforms to UL STD 61010-1 and 61010-2-030. Certified to CSA STD C22.2 No.61010-1 and 61010-2-030.
	Waste	Do not place equipment and accessories in the trash. Items must be properly disposed of in accordance with local regulations.
	EEUP	This environment-friendly use period (EFUP) mark indicates that dangerous or toxic substances will not leak or cause damage within this indicated time period. The environmentally friendly use period of this product is 40 years, during which it can be used safely. Upon expiration of this period, it should enter the recycling system.

Safety Requirements

Warning	
Preparation before use	Please connect this device to AC power supply with the power cable provided. The AC input voltage of the line reaches the rated value of this device. See the product manual for specific rated value. The line voltage switch of this device matches the line voltage. The line voltage of the line fuse of this device is correct. This device is not intended for measuring the main circuit.
Check all terminal rated values	Please check all rated values and marking instructions on the product to avoid fire and the impact of excessive current. Please consult the product manual for detailed rated values before connection.
Use the power cord properly	You can only use the special power cord for the instrument approved by the local and state standards. Please check whether the insulation layer of the cord is damaged, or the cord is exposed, and test whether the cord is conductive. If the cord is damaged, please replace it before using the instrument.
Instrument	To avoid electric shock, the grounding conductor must be connected to the

Grounding	ground. This product is grounded through the grounding conductor of the power supply. Please be sure to ground this product before it is powered on.
AC power supply	Please use the AC power supply specified for this device. Please use the power cord approved by your country and confirm that the insulation layer is not damaged.
Electrostatic prevention	This device may be damaged by static electricity, so it should be tested in the anti-static area if possible. Before the power cable is connected to this device, the internal and external conductors should be grounded briefly to release static electricity. The protection grade of this device is 4 kV for contact discharge and 8 kV for air discharge.
Measurement accessories	Measurement accessories designated as lower-grade, which are not applicable to main power supply measurement, CAT II, CAT III, or CAT IV circuit measurement. Probe subassemblies and accessories within the range of IEC 61010-031 and current sensors within the range of IEC 61010-2-032 can meet its requirements.
Use the input / output port of this device properly	Please use the input / output ports provided by this device in a proper manner. Do not load any input signal at the output port of this device. Do not load any signal that does not reach the rated value at the input port of this device. The probe or other connection accessories should be effectively grounded to avoid product damage or abnormal function. Please refer to the product manual for the rated value of the input / output port of this device.
Power fuse	Please use a power fuse of exact specification. If the fuse needs to be replaced, it must be replaced with another one that meets the specified specifications by the maintenance personnel authorized by UNI-T.
Disassembly and cleaning	There are no components available for operators inside. Do not remove the protective cover. Qualified personnel must conduct maintenance.
Service environment	This device should be used indoors in a clean and dry environment with ambient temperature from 0 °C to +40 °C. Do not use this device in explosive, dusty, or high humidity conditions.
Do not operate in humid environment	Do not use this device in a humid environment to avoid the risk of internal short circuit or electric shock.
Do not operate in flammable and explosive environment	Do not use this device in a flammable and explosive environment to avoid product damage or personal injury.
Caution	
Abnormality	If this device may be faulty, please contact the authorized maintenance

	personnel of UNI-T for testing. Any maintenance, adjustment or parts replacement must be done by the relevant personnel of UNI-T.
Cooling	Do not block the ventilation holes at the side and back of this device. Do not allow any external objects to enter this device via ventilation holes. Please ensure adequate ventilation and leave a gap of at least 15 cm on both sides, front and back of this device.
Safe transportation	Please transport this device safely to prevent it from sliding, which may damage the buttons, knobs, or interfaces on the instrument panel.
Proper ventilation	Insufficient ventilation will cause the device temperature to rise, thus causing damage to this device. Please keep proper ventilation during use, and regularly check the vents and fans.
Keep clean and dry	Please take actions to avoid dust or moisture in the air affecting the performance of this device. Please keep the product surface clean and dry.
Note	
Calibration	The recommended calibration period is one year. Calibration should only be conducted by qualified personnel.

1.3 Environmental Requirements

This instrument is suitable for the following environment:

- Indoor use
- Pollution degree: Class 2
- For overvoltage: This product should be powered from a mains supply that complies with Overvoltage Category II, which is a typical requirement for connecting equipment via power cords and plugs.
- Operating: Altitude below 3,000 meters; non-operating: Altitude below 15,000 meters.
- Unless otherwise specified, operating temperature is 0 to +40°C; storage temperature is -20 to +60°C.
- Operating: Humidity at temperature below +35°C, ≤90% RH.; non-operating: Humidity at temperature from +35°C to +40°C, ≤60% RH.

There are ventilation openings on the rear panel and side panel of the instrument. So please keep the air flowing through the vents of the instrument housing. To prevent excessive dust from blocking the vents, please clean the instrument housing regularly. The housing is not waterproof, please disconnect the power supply first and then wipe the housing with a dry cloth or a slightly moistened soft cloth.

1.4 Connecting Power Supply

The specification of AC power supply that can input as the following table.

Voltage Range	Frequency	Power
100-240 VAC (Fluctuations $\pm 10\%$)	50/60 Hz	$\leq 250W$
100-120 VAC (Fluctuations $\pm 10\%$)	400 Hz	

Please use the attached power cord to connect to the power port.

Connecting to service cable

This instrument is a Class I safety product. The supplied power lead has good performance in terms of case ground. This signal analyzer is equipped with a three-prong power cable that meets international safety standards. It provides good grounding performance for the specification of your country or region.

Please install the AC power cable as follows.

- Ensure the power cable is in good condition.
- Leave enough space to connect the power cord.
- Plug the attached three-prong power cable into a well-grounded power socket.

1.5 Electrostatic Requirements

Electrostatic discharge may cause damage to components. Components can be damaged invisibly by electrostatic discharge during transportation, storage and use.

The following measure can reduce the damage of electrostatic discharge.

- Testing in anti-static area as far as possible.
- Before connecting the power cable to the instrument, the inner and outer conductors of the instrument should be briefly grounded to discharge static electricity.
- Ensure all the instruments are properly grounded to prevent the accumulation of static.

1.6 Preparation Work

1. Connect the power supply wire, plug the power socket into the protective grounding socket; adjust the alignment jig according to your view.
2. Press the switch button  on the front panel to boot up the instrument.

1.7 Usage Tip

Use External Reference Signal

If the user wants to use an external signal source 10 MHz as a reference, please connect the signal source to the 10 MHz In port on the rear panel. The measuring menu on the top of the screen will indicate **Reference Frequency: External**.

Activate the Option

If the user wants to activate the option, you need to input the secret key of the option. Please contact UNI-T office to purchase it.

Refer to the following steps to activate the option you have purchased.

1. Save the secret key into USB and then insert it into the signal analyzer
2. Press **[System] key > System Information > Add token**
3. Select purchased secret key and then press **[ENTER]** to confirm

1.8 Remote Control

The UTS7000A series signal analyzer supports communication with computers via USB and LAN interfaces. Through these interfaces, users can utilize standard programming languages or NI-VISA, together with SCPI (Standard Commands for Programmable Instruments), to remotely program and control the instrument. The analyzers are also compatible with other programmable devices that support the SCPI command set, enabling system integration and interoperability.

For detailed information on installation, remote control, and programming, please refer to the ***Spectrum/Signal Analyzer Programming Manual***, available on the official website:

<http://www.uni-trend.com>.

1.9 Help Information

The signal analyzer's built-in help system provides help information for each function button and menu control key on the front panel.

- Touch the left of the screen , a help dialog box will pop out on the center of the screen. Tap support function to get more detailed help description.
- When help information is displayed on the center of the screen, tap "×" or other key to close the dialog box.

Chapter 2 Panel and Keys

2.1 Front Panel

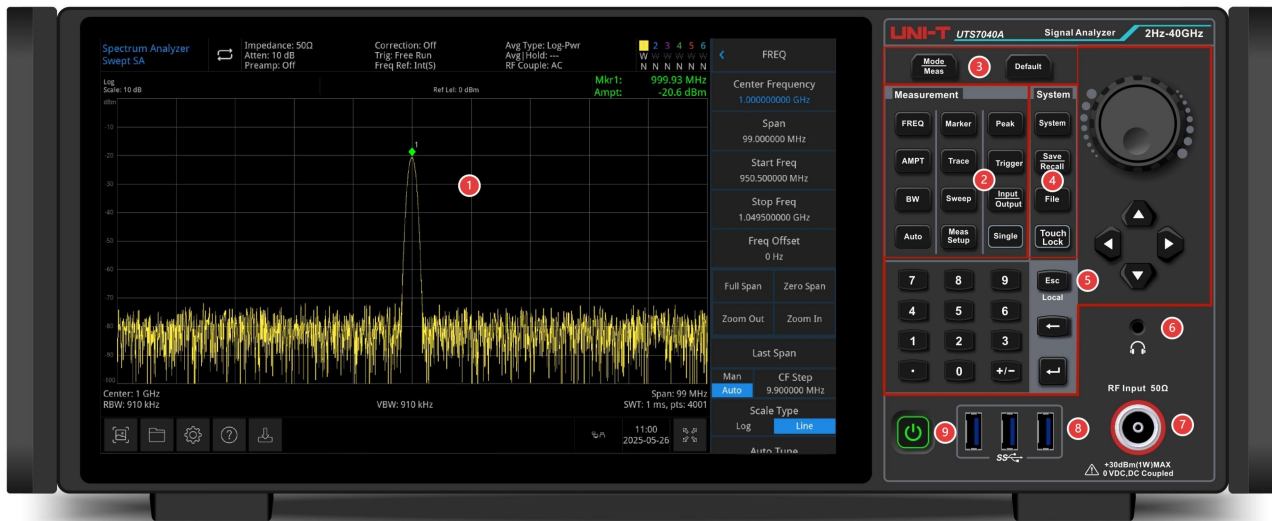


Figure 1-1 Front Panel

1. **Display screen:** Display area, touch screen.
2. **Measurement:** Used to activate the main functions of the signal analyzer, including:
 - **Frequency (FREQ):** Press this key to enable the center frequency function and enter the frequency setup menu.
 - **Amplitude (AMPT):** Press this key to enable the reference level function and enter amplitude setup menu.
 - **Bandwidth (BW):** Enables the resolution bandwidth (RBW) function and opens the menu for configuring parameters such as bandwidth and aspect ratio.
 - **Sweep:** Opens the sweep menu to configure sweep time, mode, and number of points.
 - **Trigger:** Opens the trigger menu to configure trigger type and trigger parameters.
 - **Trace:** Opens the trace control menu to configure trace, detection mode, and trace operation.
 - **Marker:** Used to select marked number, type, attributes, tagging options, and list view; also controls the display of these marks.
 - **Peak:** Places a marker at the peak amplitude of the signal and enables control over its associated functions.
 - **Measurement setting (MeasSetup):** Configures average/hold time, average type, display line, and limit values.
 - **Input/Output (I/O):** Opens the I/O menu to configure parameters, including calibration,

reference frequency input, and input coupling.

- **Single:** Press this key to perform a single sweep; press again to return to continuous sweep mode.
- **Auto-Tuning (Auto):** Automatically searches for active signals and centers them on the screen.

3. Advanced function key: Used to activate advanced measurement functions of the signal analyzer, including:

- **Mode/Meas:** Opens the measurement mode selection menu, where users can choose the operating mode of the signal analyzer and configure measurement functions specific to each mode—such as Adjacent Channel Power (ACP), Occupied Bandwidth (OBW), and Harmonic Distortion in Spectrum Analysis mode.
- **Reset (Default):** Restores the signal analyzer to its default factory settings.

4. System (function key): Used to activate the main functions of signal analyzer, including:

- **File System (File):** Opens the file manager where users can view, create, modify, or delete files. Files such as corrections, limits, measurement results, screenshots, traces, and status logs can be stored in internal or external memory and recalled when needed.
- **File storage (Save/Recall):** Press this key to enter the save menu, the types of files include state, trace line + state, measurement data, limit, correction, and export data.
- **System information (System):** Access the system menu to configure system parameters.
- **Touch/Lock:** Toggles the touchscreen function. The key illuminates green when activated.

5. Data control key: Direction key, rotary knob and numerical key are used to adjust the numerical value of the activated function, such as center frequency, start frequency, resolution bandwidth and marker position.

Note

Esc key: If the instrument is in remote control mode, press this key to return to local mode.

- 6. Headphone jack:** 3.5 m. The load resistance value of the interface adaptation is $\leq 32\Omega$, greater than 32Ω does not guarantee the audio effect.
- 7. Radio Frequency input terminal (RF input 50 Ω):** Used to connect the external input signal, the input impedance is 50 Ω (type-N female).

Warning

Do not apply signals that exceed the rated specifications to the input ports. Ensure that probes and other connection accessories are properly grounded to prevent equipment damage or

functional failures. The RF IN port can tolerate a maximum input power of +30 dBm or a DC voltage of up to 50 V.

- 8. USB port:** Used to connect external USB, keyboard, and mouse.
- 9. ON/OFF switch:** Short press power on the signal analyzer. When the instrument is already on, a short press will place it into standby mode, during which all functions are disabled.

2.2 User Interface

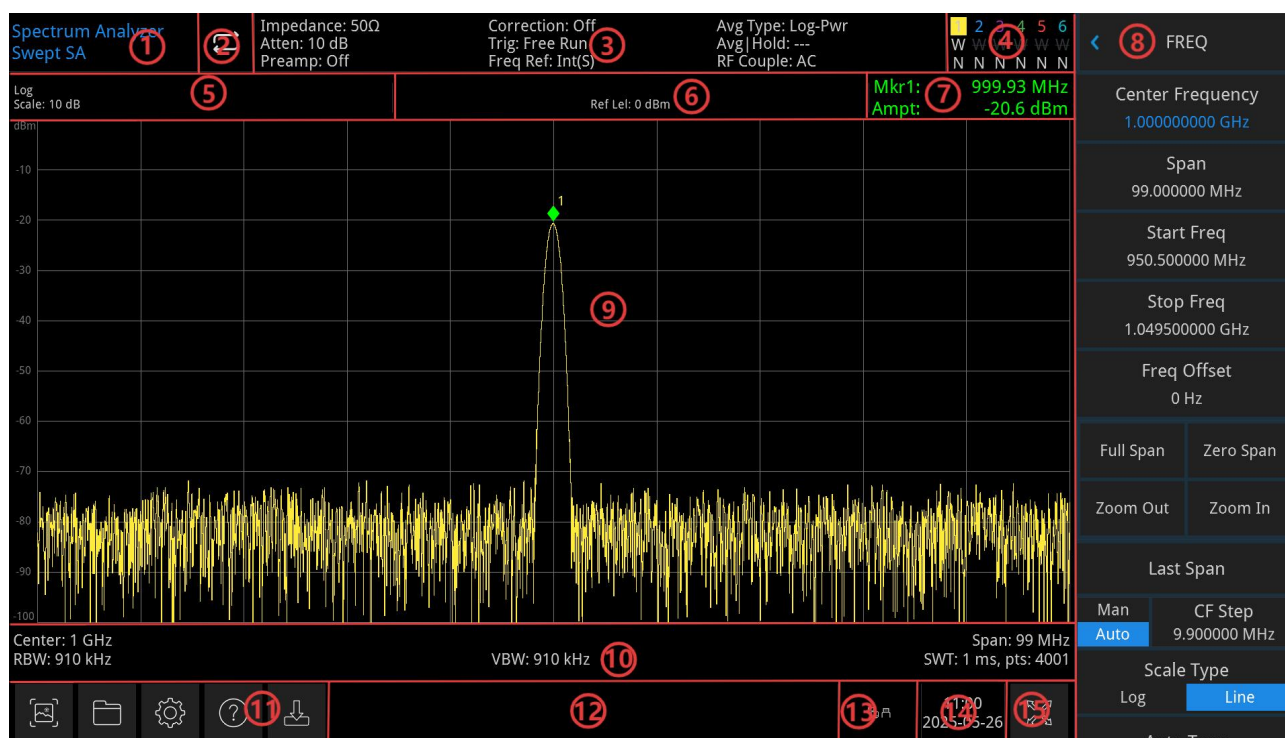


Figure 1-2 User Interface

- 1. Operation modes:** Spectrum analysis, IQ analysis, EMI (Electromagnetic Interference) testing, analog demodulation, vector signal analysis, real-time spectrum analysis, phase noise analysis, LTE FDD (Long-Term Evolution Frequency Division Duplex), LTE TDD (Long-Term Evolution Time Division Duplex), and NR (New Radio).
- 2. Sweep/Measuring:** Single/continuous mode. Tap the screen icon to quickly toggle between the two modes.
- 3. Measurement menu:** Displays the measurement information, including input impedance, input attenuation, preset, correction, trigger type, reference frequency, average type, and average/hold. Tap the screen icon to quickly access and switch on these functions.
- 4. Trace indicator:** Displays the information of trace and detector, including trace serial number, trace type, and detector type.

Note

The first line displays the trace number, with its color matching the corresponding trace on the screen for easy identification.

The second line indicates the trace type, such as **W** (refresh), **A** (average), **M** (maximum hold), and **m** (minimum hold).

The third line shows the detector type, including **S** (sample detection), **P** (peak detection), **p** (negative peak), **N** (normal detection), **A** (average), and **f** (trace math operation).

All detector types are displayed in white text.

Tap the screen icon to quickly switch between different modes. Each letter represents a specific mode.

- **Highlighted white letter:** The trace is currently being updated and displayed.
- **Gray letter:** The trace is not being updated.
- **Gray letter with strikethrough:** The trace is neither updated nor displayed.
- **White letter with strikethrough:** The trace is being updated but not displayed — useful for trace math operations.

5. **Display scale:** Displays the scale value and scale type (logarithm, linear). In linear mode, the scale value cannot be changed.
6. **Reference level:** Displays the reference level value and reference level offset value.
7. **Result of cursor measurement:** Displays the cursor measurement results, including frequency and amplitude. In zero span mode, the time is displayed instead of frequency.
8. **Panel menu:** Menu and function, including frequency, amplitude, bandwidth, trace, and marker.
9. **Grid display area:** Displays trace display, marker, video triggering level, display line, threshold line, cursor table, and peak list.
10. **Data display:** Displays center frequency value, sweep width, start frequency, cut-off frequency, frequency offset, RBW, VBW, sweep time, and sweep count.
11. **Function setting:** Quick screenshot, file system, setup system, help system, and file storage.
 - **Quick screenshot** : Saves a screenshot to the default file. If an external storage device is connected, the screenshot is saved there by default.
 - **File system** : Allows saving of corrections, limits, measurement results, screenshots, traces, status, and other data to internal or external storage. Saved files can be recalled for later use.
 - **System information** : Displays the basic and optional information.
 - **Help system** : Opens user guidance and help documentation.
 - **File storage** : Import or export state, trace + state, measurement data, limit value, and

correction files.

- 12. System log dialog box:** Click the blank space on the right of file storage to enter system log to check the operation log. This dialog provides access to operation logs, alarm messages, prompt, and hint information.
- 13. Connection type:** Displays the connection status of mouse, USB, and screen lock.
- 14. Date and time:** Displays the date and time.
- 15. Full screen switch:** Toggles full screen mode. The display is horizontally stretched. The right-side control panel is automatically hidden for maximum viewing area.

2.3 Rear Panel



Figure 1-3 Rear Panel

- 1. Trigger 1 IN:** When the signal analyzer is set to External Trigger 1 (Ext 1) mode, this connector receives either the rising or falling edge of an external trigger signal, input via a BNC cable.
- 2. Trigger 2 IN:** When the signal analyzer is set to External Trigger 2 (Ext 2) mode, this connector receives either the rising or falling edge of an external trigger signal, input via a BNC cable.

Warning

Trigger 1 IN, Trigger 2 IN, The rated voltage is 5Vpp. Do not apply signals that exceed the rated specifications to the input ports. Ensure that probes and other connection accessories are properly grounded to prevent equipment damage or functional anomalies.

- 3. Trigger 1 Out:** When output trigger is enabled, this connector outputs a TTL-compatible trigger signal (square wave).
- 4. Trigger 2 Out:** When trigger output trigger is enabled, this connector outputs a

TTL-compatible trigger signal (square wave).

Warning

The rated voltage of Trigger 1 Out and Trigger 2 Out is 5Vpp. When output to other devices, please pay attention to the receiving port specification to avoid damage or abnormal function of the device.

- 5. 10MHz reference input:** The signal analyzer can operate using either an internal or external reference source.

- If the instrument detects a valid 10 MHz external clock signal at the **[REF IN 10 MHz]** connector, it will automatically switch to this signal as the external frequency reference. The user interface will then display **Reference Frequency: External**. If the external reference signal is lost, out of range, or disconnected, the instrument will automatically revert to the internal reference, and the display will update to **Frequency Reference: Internal**.

Warning

The input power rating of 10MHz In is -5dBm to +10dBm. Do not apply signals that exceed the rated specifications to the input ports. Ensure that probes and other connection accessories are properly grounded to prevent equipment damage or functional anomalies.

- 6. 10MHz reference output:** The signal analyzer can operate using either an internal or external reference source.

- When using the internal reference, the **[10 MHz OUT]** connector outputs a 10 MHz clock signal generated by the analyzer's internal reference source. This signal can be used to synchronize external devices, ensuring consistent timing across instruments.

Warning

Do not apply input signals to the output ports, as this may cause equipment damage or functional failures. The rated output power of 10MHz Out is 10dBm ± 2 dB. When output to other devices, please pay attention to the receiving port specifications to avoid equipment damage or abnormal function.

- 7. HDMI interface:** Outputs HDMI video signals for external display.
- 8. LAN interface:** A TCP/IP communication port used for remote control of the instrument over a network.
- 9. USB Device interface:** Connects the signal analyzer to a PC, enabling remote control via PC-based software.
- 10. USB 3.0 interface:** Used to connect external USB storage devices. Supports reading and importing waveform data files from a USB drive. This port also allows system firmware

upgrades, ensuring the RF analog signal generator runs until the latest version is released by the manufacturer.

- 11. GPIB interface:** Enables connection to a PC for remote control of the signal generator via PC-side software using the GPIB (IEEE-488) protocol.
- 12. Power switch:** Turns the signal analyzer on or off.
- 13. Power switch:** Used to turn on/off the AC power supply. When the switch is turned on, the signal analyzer enters standby mode while the indicator on the front panel lights up.
- 14. Burglar-proof lock:** Provides physical security to help prevent theft of the instrument.
- 15. Ground connector:** Provides an electrical ground connection point for connecting an antistatic wrist strap. This helps prevent electrostatic discharge (ESD) damage when handling or connecting the Device Under Test (DUT).

2.4 Touch Operation

Press the **[Touch Lock]** key to enable or disable touchscreen input.

The signal analyzer features an 11.6-inch multi-touch screen that supports a variety of gesture-based operations, including:

- Tap the top-right corner of the screen to open the main menu.
- Swipe up/down or left/right in the grid area to adjust the X-axis center frequency or Y-axis reference level.
- Pinch or spread two fingers in the grid area to zoom in or out on the X-axis sweep span.
- Tap on-screen parameters or menus to select and edit them.
- Enable and reposition cursors as needed for measurement.
- Use auxiliary shortcut keys to perform common operations efficiently.

Chapter 3 Troubleshooting

This chapter lists the possible faults and troubleshooting methods of the signal analyzer.

Please follow the corresponding steps to handle it. If these methods do not work, please contact UNI-T and provide your machine device information (acquisition method: **[System] >System Information**).

1. After pressing the power soft switch, the signal analyzer still displays a blank screen, and nothing is displayed.
 - a. Check whether the power connector is properly connected and the power switch is turned on.
 - b. Check whether the power supply meets the requirements.
 - c. Check whether the fuse of the machine is installed or blown.
2. Press the power switch, if the signal analyzer still displays a blank screen and nothing is displayed.
 - a. Check the fan. If the fan is rotating but the screen is off, the cable to the screen may be loose.
 - b. Check the fan. If the fan does not rotate and the screen is off, it means the instrument is not enabled.
 - c. In case of the above faults, do not disassemble the instrument by yourself. Please contact UNI-T immediately.
3. Spectral line is not updated for a long time.
 - a. Check whether the current trace is in update state or multiple averaging state.
 - b. Check whether the current is meeting the restriction conditions. Check the restriction settings and whether there are restriction signals.
 - c. In case of the above faults, do not disassemble the instrument by yourself. Please contact UNI-T immediately.
 - d. Check whether the current mode is in the single sweep state.
 - e. Check whether the current sweep time is too long.
 - f. Check whether the demodulation time of the demodulation listening function is too long.
 - g. Check whether the EMI measurement mode is not sweeping.
4. The measurement results are incorrect or not accurate enough.

Users can obtain detailed descriptions of technical index from the back of this manual to calculate system errors and check measurement results and accuracy problems. To achieve the performance listed in this manual, you need:

- a. Check whether external device is properly connected and working.
- b. Have a certain understanding of the measured signal and set appropriate parameters for the instrument.
- c. Measurement should be performed under certain conditions, such as preheating for a period of time after starting up, specific working environment temperature, etc.
- d. Calibrate the instrument regularly to compensate for measurement errors caused by instrument aging.

If you need to calibrate the instrument after the guarantee calibration period, please contact UNI-T company or obtain paid service from authorized measurement institutions.

Chapter 4 Service and Support

Maintenance and Cleaning

(1) General Maintenance

Keep the instrument away from direct sunlight.

Caution

Keep sprays, liquids and solvents away from the instrument or probe to avoid damaging the instrument or probe.

(2) Cleaning

Check the instrument frequently according to the operating condition. Follow these steps to clean the external surface of the instrument.

Please use a soft cloth to wipe the dust outside the instrument.

When cleaning the LCD screen, please pay attention and protect the transparent LCD screen.

When cleaning the dust screen, use a screwdriver to remove the screws of the dust cover and then remove the dust screen. After cleaning, install the dust screen in sequence.

Please disconnect the power supply, then wipe the instrument with a damp but not dripping soft cloth. Do not use any abrasive chemical cleaning agent on the instrument or probes.

Warning

Please confirm that the instrument is completely dry before use, to avoid electrical shorts or even personal injury caused by moisture.

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