

Patient Self-Testing User Manual

Coag-Sense®

Prothrombin Time (PT)/INR Monitoring System No part of this publication may be reproduced, transmitted, transcribed, stored in a retrieval system or translated into any language or computer language, in any form or by any means, including, but not limited to, electronic, magnetic, optical, chemical, manual, or otherwise without written permission of CoaguSense, Inc. CoaguSense, Inc. has made every reasonable effort to ensure that all the information contained in this manual is correct at the time of printing. However, CoaguSense, Inc. reserves the right to make any changes necessary without notice as part of ongoing product development.

If you have any questions or concerns with the Coag-Sense® Prothrombin Time (PT)/INR Monitoring System, please contact CoaguSense, Inc. Technical Support:

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The Coag-Sense[®] Prothrombin Time (PT)/INR Monitoring System for Patient Self-Testing is intended to be used by a single person and should not be shared.

1. Introduction

Coag-Sense® Prothrombin Time (PT)/INR Monitoring System

Intended Use

For self-test users, the Coag-Sense® Prothrombin Time (PT)/INR Monitoring System is an in vitro diagnostic device that provides quantitative prothrombin time (PT) results, expressed in seconds and International Normalized Ratio (INR) units. It uses fresh capillary whole blood.

The device is intended for use by properly selected and suitably trained patients or their caregivers on the order of the treating physician to monitor patients who are on anticoagulation therapy. Patients should be stabilized on warfarin-type (coumarin) anticoagulation therapy prior to self- testing. The device is not intended to be used for screening purposes.

Importance of PT/INR Monitoring

Blood-Clotting Time:

The rate at which blood clots is measured in units called International Normalized Ratio (INR). It is very important for patients to stay within their individual target INR range. If the INR is too low, the risk of blood clots increases. If the INR is too high, the risk of hemorrhaging increases. The patient's physician will determine the most appropriate INR range for the patient, depending upon the patient's indication and how they respond to the oral anticoagulants.

Anticoagulation Medication:

Oral anticoagulation medications, are typically prescribed to patients to avoid unwanted clots. The patient's blood clotting time must be monitored to ensure that their dosage is correct.

Oral anti-coagulation medication is prescribed to patients with acute and chronic conditions including, but not limited to: congestive heart failure, atrial fibrillation, prosthetic heart valve, myocardial infarction, joint replacement, deep vein thrombosis, pulmonary embolism, thrombotic stroke, coronary artery disease, cancer and venous thromboembolism.

Important Information Regarding This Manual

The purpose of the Coag-Sense® Prothrombin Time PT/INR Monitoring System User Manual is to help you understand your Coag-Sense® PT/ INR System, its parts, and its intended function. It provides you with the information you need to perform a PT test with the Coag-Sense® PT/INR System.

The Coag-Sense[®] System should only be used with a doctor's prescription. Do not adjust your medication without talking to your doctor or health care professional.

You must complete proper training on the Coag-Sense® PT/INR System before you begin using the system. It is also important to read this entire User Manual and the inserts that come with the disposable Coag-Sense® Test Strips. This User Manual has different formats and symbols to distinguish warnings, notes, and meter buttons.

WARNING: This indicates a warning or precaution.

Please read and understand all warnings and precautions. They tell you about potential safety hazards and situations that may cause injury. If you have any questions, please contact CoaguSense, Inc. Technical Support at 1-866-903-0890.

2. System Description

The Coag-Sense® Prothrombin Time PT/INR System is used for quantitative measurement of INR (International Normalized Ratio) based on a Prothrombin Time (PT) response to monitor the effect of therapy with vitamin K antagonists like Coumadin® (warfarin). The system uses fresh, capillary whole blood.



Page 3

Meter:

The meter has a TFT color LCD **Touch Screen** that shows results, information, icons and results recalled from memory. To select an option, gently click on the display button. There are three touch buttons, **Cancel or Previous Screen Button, Home Screen Button and View Menu Button Screen** for the Guided User Interface (GUI) operation. The **Power ON/OFF** button is located on the right side of the meter. The **NFC (Near Field Communication) Tag Scanner** is a built-in scanner that is used to scan the NFC Tag containing the strip (Control and Test Strip) data. **Strip Insertion Area** guides the test strip into the meter. **Micro USB/Power Adapter Port** is a micro-USB port used to plug to the power adapter. Multipurpose **USB Port** can be used to connect the meter to a) portable printer or other Coag-Sense® System approved accessories. **Ethernet Port** is used to connect the Ethernet cable for a wired connection, this port is provided with a port cover. **Reset Button (enclosed within the ethernet port cover)** is used to reset the meter in case of software or power-cycle issues.

The meter performs a self-check when it is first powered ON and every time a test strip is inserted. If there are any problems detected during self-check, an error message is displayed on the touchscreen. Refer to the "Troubleshooting" section of this manual or contact Technical Support for assistance.

Test Strips:

A test strip is inserted and heated in the meter prior to sample application. The strip contains a tiny wheel with spokes that pulls the sample into the reaction well. The spokes quickly and completely mix the sample with the clot initiating component of the test strip.

The PT time is determined from when the sample is drawn into the reaction well of the test strip and detected by a beam of light until a clot forms and interrupts the beam of light. The PT result is converted to an INR (International Normalized Ratio) using the INR normalization data communicated by the NFC Tag and subsequently stored in the meter. INR is a mathematical correction of the PT result that adjusts for sensitivity differences among different PT systems.



Control Strips and Control Activation Solution

Quality control is an important part of PT testing to verify the integrity of the performance characteristics of the testing system. The Coag-Sense® Meter has been designed with multiple internal systems to ensure proper system function. When powered ON, the meter runs an extensive self-check protocol to ensure, for example, that operating temperature, timing functions, battery level and optical and mechanical functions are within specification. There are 2 Low and High Control Strips, and a Control Activation Solution shipped with each test strip kit. Each control strip contains plasma which is generated from a pool of normal donors where the Vitamin K dependent proteins are removed and added back at different levels to represent the 'Low' and 'High' level ranges. Real plasma allows for a fully functional quality control test of both the a) reagent's ability to generate a clot and b) analyzer's ability to detect a clot. Control testing confirms the performance of the system and should be completed immediately for each new lot of test strips received.

NFC Tag:

Near Field Communication (NFC) Tag is a micro data tag with antenna that contains the required lot specific test strip kit information. Transfer of the lot specific data to the meter can be accomplished through surface contact of the matching NFC symbols. The NFC Tag communicates the unique data for each lot of strips to the meter. The meter reads the data stored in the NFC Tag and auto populates the relevant test strip information on the screen.

In the absence of NFC Tag, the user may manually enter the Lot and Barcode number present on the strip packaging using the keypad on the touch screen. A stylus with a rubber capacitive tip may be used to facilitate typing.

Power Supply and Battery:

Coag-Sense® PT/INR Patient Self-Test System can be operated only with the power adapter provided. The power adapter also serves as a charger. It charges the built-in Lithium Polymer Battery. The battery life is shown on top right corner of the meter.

Note: The battery is not user replaceable.

To save power, if left unattended for a set time (user configurable), the meter will enter sleep mode. To power meter OFF, a manual press and hold of the Power Button is required. The meter retains all results obtained up to that point in its memory.

Coag-Sense® PT/INR Patient Self-Test System (Catalog #03P70-01) is supplied with the following items:

Catalog Name	QTY
Coag-Sense® PT/INR Meter	1
Coag-Sense® PT/INR System Self-Test User's Manual	1
Coag-Sense® PT/INR System Self-Test Quick Reference Guide	1
A/C Micro USB Power Supply	1
Sample Transfer Tubes	
Single-Use, 21g Auto Safety Lancets	1pk
Carrying Case	1
Stylus Pen	1

If you participate in a testing service, your service provider will provide you with all the necessary testing components. If you run out of testing supplies, please contact the service provider that gave you your meter for more supplies. If you purchased a Coag-Sense® Test Strip Kit (Catalog# 03P56-50) out-of-pocket, it will include the following items necessary to perform a test:

Item Description	
Patient Test Strips	50
Low Control Strips	2
High Control Strips	2
Control Strip Activation Solution	
Sample Transfer Tubes	
NFC Tag	
Package Insert	

Following are standard medical supplies that are required with each use and may be supplied by your testing service provider:

21g Auto Safety Lancets, single use

Note: These materials are not provided with the PT/INR system. The Coag-Sense[®] Test Strip Kit- 50 may be ordered from your meter distributor or home testing service provider separately.

Overview of Buttons and Icons

The buttons and icons that appear during normal operation are shown here, along with their respective meanings. Error messages and their description are provided in "Troubleshooting" section.

Buttons/Icons	Meaning	
	Power ON/OFF	
Ċ	To power ON the meter, press and hold Power Button. To Enter/Exit Sleep Mode press the button once quickly and press the button again and hold for few seconds.	
۲ د	Cancel or return to previous screen	
Ο	Go to the home screen	
Ξ	View additional menu	
g 🔰 1	Common Keypad Input	
qwertyuiopœ asdfghjkl ← 1	Is the input completion button. Returns to previous screen when selected.	
6123 (m) 22 ministerijek (* 19) (* 19)	Change language button. Enables the user to select keyboard language.	

Buttons/Icons		Meaning	
	The	e Status Bar	
3 2 3 4 5 6		Current Date/Time	
	2.	Sound On/Off status	
	3.	Alarm – The presence or absence of set alarm	
	4.	Bluetooth On/Off status	
	5.	Wi-Fi On/Off Status	
	6.	Battery status Icons on the Touchscreen	
	The lcons on the Touch Screen		
	7.	Back Icon - Go to previous screen	
01/01/2023 12:01 AM 🔌 🖄 🛪 🚖 🗐	8.	Home Icon - Go to home screen when touched	
	9.	Settings Icon - Go to settings screen when touched	
	10.	User Information Icon - Go to user Information screen when touched	
	11.	Log-out Icon - Go to log-out pop-up screen when touched.	

Buttons/Icons	Meaning	
	Home Screen	
01/01/2023 12:01 AM 🔌 🔌 🕸 📋	1. Test Icon - Go forward to test screen when touched.	
🔹 🔏 Test	2. Control Icon - Go forward to control test screen when touched.	
² <mark>↗ ⁰늘 ⁰</mark> ≎	3. Results Icon - Go forward to result screen when touched.	
Control Results Settings	 Settings Icon - Go forward to setup screen when touched. 	
01/01/2023 12:01 AM R R R S TEST	 Results Icon - Displays the number of results that have not been synchronized. 	

3. Meter Specifications

Operating Temperature	65°F to 90°F (18°C to 32°C)	
Operating Humidity	10% to 90% (without condensation)	
Storage Temperature	32°F to 122°F (0°C to 50°C)	
Storage Humidity	20% to 80% (without condensation)	
Altitude	10,000 ft (3,048 m) above sea level	
Memory	Capable of storing up to: • 2000 patient test results with date and time • 500 control test results with date and time • 1000 Operator accounts	
Lithium Battery	Rechargeable Lithium Polymer Battery (3.7V, 2350mAh)	
Battery Capacity	Fully charged battery (6 hours of charging) can run ~100 tests	
Power Input	120V AC Adapter (Use with Coag-Sense® Adapter Only)	
AC Input	100-240V~, 50-60Hz, 0.5A (Mains supply voltage fluctuation: ±10%)	
Power Output	5.0V, 2.0A	
Pollution Degree	2	
Overvoltage Category	П	
Use Circumstance	Indoor only	
Blood Sample Size	10-12 μL	
Communication Port	Micro and Standard USB	

Size in mm (Height x Width x Depth)	152 x 100 x 29.5
Weight in grams	315 grams
Equipment Classification	Class II with external power supply. Internally powered when operated with battery. IPX0 rating.

WARNING: Use the Coag-Sense® Meter along with the provided Power Adapter only. Use only AC adapter type UES12ICP-050200SPA (Manufacturer: Dongguan Shilong Fuhua Electronics).

4. Performance Characteristics

Expected Values:

Results are reported in INR units equivalent to the plasma reference method. For PT testing, variations in the source of thromboplastin may cause some differences in results between methods. It is recommended that the same method be used to monitor the anticoagulation therapy over time.

Measuring Range:

INR 0.8 to 8.0 units

Normal Range: The following results represent a common normal range for an individual in good health using the Coag-Sense® PT/INR Monitoring System.

INR: 0.8 to 1.2 units PT: 11.6 to 14.5 seconds

5. Warnings and Precautions



Patients taking Warfarin (Coumadin®) and other oral blood thinners should consult with their healthcare provider before adjusting their dosage.

- Patients should consult with their doctor for their appropriate INR therapeutic range.
- Patients who have recently taken or are currently taking any type of Heparin or Low Molecular Weight Heparin anticoagulant should not use this test system and should consult their doctor.
- The system should also not be used to monitor patients on direct oral anticoagulants (DOACs) including Factor Xa and Direct Thrombin inhibitors.

Test Site and Blood Sample

- The Coag-Sense® PT/INR System is for in vitro diagnostic use only.
- The Coag-Sense® Meter will not produce a result if the test strip is past its expiration date.
- The quality of the blood sample can affect PT test results. A blood sample of poor quality can produce unreliable results. Read the section on "Collecting a Fingerstick Sample" for more information.
- Blood samples must be applied to the test strip **immediately** after collection or the blood begins to clot, causing unreliable results.
- The blood sample transferred to the test strip must be a minimum of 10 μL in volume. Low sample volume may cause an error message.
- Use only fresh fingerstick capillary blood for testing. The blood should only come in contact with the Sample Transfer Tubes provided with the Coag-Sense[®] PT/INR System. Other products may have anti-coagulant agents on their surfaces and result in unreliable test results.
- Squeezing the fingerstick site excessively (milking) releases interstitial "tissue layer" fluid that can cause unreliable results.
- The fingerstick site should be washed with warm water and soap, and then completely dried. The site must be clean of all hand oils/lotions and foreign matter, which may cause unreliable results.

- If Isopropyl Alcohol (IPA) wipes are used, wipe the fingerstick site with a gauze pad and make sure the site is completely dry. If any alcohol remains (or is re-introduced) on the finger, it may cause unreliable results.
- Do not use wipes containing chlorhexidine gluconate, as it may produce unreliable results.
- The quality of fingerstick and the sample delivery technique are important to the test results. If there is a question about the sample or sample collection, obtain a new strip, repeat the fingerstick on a different finger, and test again.
- If you need to repeat a test, use a different finger for the fingerstick, since blood may have started to clot on the first finger, which may cause unreliable results.
- If there is a bubble or an air pocket showing in the blood sample in the collection tube, start the test over. Use a new fingerstick (using a different finger and collection tube) or results may be unreliable.

Meter

- The meter has a built-in rechargeable lithium polymer battery (3.7 V, 2350 mAh).
- Use only the power adapter included with the Coag-Sense[®] System or damage to the meter may result.
- The meter shall be in the position that it is easy to disconnect power.
- The meter is a delicate instrument, and should be handled with care. Dropping or other mishandling may cause damage to the meter. If this should occur, call Technical Support.
- Do not allow any liquids to spill on the meter. If this should occur, call Technical Support.
- Do not put the meter in liquid. Do not allow liquids to get into any of the connectors or plugs on the meter.
- Only use the method provided in this User Manual to clean the Coag-Sense® PT/INR Meter. For cleaning purposes, please use a Healthcare Bleach Germicidal Wipes containing Sodium Hypochlorite (Bleach) to clean the exterior meter housing only. DO NOT SPRAY ANY LIQUIDS DIRECTLY ONTO THE METER.

- Do not move or touch the meter while it is running a test. Unreliable results may occur.
- Do not pull the strip out during a test while the wheel is spinning. STOP the test by pressing the cancel or back arrow. The display prompts you to confirm test cancellation. The strip should be removed after confirming test cancellation.
- Store and use the Coag-Sense® PT/INR System following the instructions in this manual.
- This equipment is tested to meet the limits for medical devices, which are
 designed to provide a reasonable protection against harmful interference
 when the equipment is operated in a clinical or home environment. If not
 installed and used in accordance with these instructions, it may cause
 harmful interference to other devices in the vicinity. If this equipment does
 cause harmful interference to other devices, which can be determined by
 turning the equipment on and off, the user is encouraged to try to correct
 the interference by one or more of the following measures:
 - Reorient or relocate the receiving device.
 - · Increase the separation between the equipment.
 - Connect the equipment to an outlet on a circuit different from that to which the other devices are connected.
- Any equipment connected to the data port must be certified to IEC 60601-1. If you connect any equipment that is not recommended by CoaguSense, Inc., you are responsible for meeting the requirements of this standard.
- In the unlikely event of an electric power surge (i.e., severe static discharge during a thunderstorm), when using the power adapter, the display screen may go blank. If this occurs, unplug the power supply from the back of your meter, wait 5 seconds and plug it back in. Normal operation should return, but you may have to reset the time and date.
- DO NOT OPEN THE METER. Do not attempt to repair or modify this meter. The Coag-Sense[®] Meter does not require any periodic maintenance and there are no user serviceable parts inside. If you have problems, please contact Technical Support. The Coag-Sense[®] Prothrombin Time PT/INR Monitoring System needs special precautions regarding EMC and needs to be put into service according to the EMC information provided in this manual.

- Portable and mobile RF communications equipment can affect the Coag-Sense[®] Prothrombin Time PT/INR Monitoring System.
- The use of accessories, transducers and cables other than those specified by CoaguSense, Inc. may result in increased EMISSIONS or decreased IMMUNITY of the EQUIPMENT.
- The Coag-Sense[®] Prothrombin Time PT/INR Monitoring System should not be used adjacent to or stacked with other equipment and that if adjacent or stacked use is necessary, the Coag-Sense[®] Prothrombin Time PT/INR Monitoring System should be observed to verify normal operation in the configuration in which it will be used.

Test Strips/Control Strips/Control Strip Activating Solution

- The Test Strips are designed for single use only. Do not reuse the Test Strips.
- Patient samples, controls, used strips, transfer tubes and lancets are potentially infectious. Discard used materials in a safe manner using local government regulations for hazardous medical waste.
- PT Test Strips, Control Strips, and Control Activation Solution are perishable goods with a limited shelf life. Do not use any of these items if the expiration date has passed.
- Refer to the package insert that is supplied with each box of Test Strips for more information.

6. Hazards and Symbols

\triangle	Caution is necessary when operating the device
	Class II Equipment
\$	Biological risks: The strips and fingerstick materials should be disposed of in appropriate biohazard waste containers
$\mathbf{\Sigma}$	Indicates the date after which the medical device is not to be used
LOT	Indicates the manufacturer's batch code so that the batch or lot can be identified
IVD	Indicates a medical device that is intended to be used as an in vitro diagnostic medical device
X	Indicates the temperature limits to which the medical device can be safely exposed
	Indicates the medical device manufacturer
\otimes	Indicates a medical device that is intended for one single use only
REF	Indicates the manufacturer's catalog number so that the medical device can be identified
X	EU WEEE 2012/19 rules on treating electrical and electronic equipment waste, to contribute to sustainable production and consumption; follow local governmental regulation for recovery and recycling

	Indicates the entity importing the medical device into the locale
N.1010-1 US	The system fulfills the U.S. safety requirements (NEMKO listed)
Ĩ	Consult instructions for use
	Near Field Communication (NFC) Tag
SN	Indicates the manufacturer's serial number so that specific medical device can be identified
UDI	Indicates a carrier that contains unique identifier information
*	Bluetooth Connectivity, BLE Enabled Devices
(î•	Wireless (Wi-Fi) Network
	To identify the country of manufacture of products
	Indicates the entity distributing the medical device into the locale
Σ	Indicates the total number of tests that can be performed with the medical device
R only	Prescription Use Only
CExxxx	The CE mark followed by a four-digit number stands for the notified body (regulatory body) which reviewed or approved the medical device against all relevant requirements before the CE mark can be affixed on the product as proof that the medical device meets certain EU requirements
EC REP	Indicates authorized representative in the European Community/ European Union
1	For self-testing: a lay person can use the device marked with this symbol even without professional medical experience

Directions for Use

7. Meter Setup

Operating Conditions

To ensure that your Coag-Sense® PT/INR System is working correctly, be sure the following conditions are met:

- Be sure that the meter and strips are at room temperature before use. Operating conditions are between 65°F and 90°F (18°C and 32°C). The meter will not allow a test to proceed unless it is within the operating temperature range.
- Relative humidity should be between 10% and 90%, without condensation, for testing.
- · Avoid dropping the meter or treating it roughly.
- · Use the meter only on a level, stable surface.
- · Do not move the meter during testing.

Power ON/OFF

- The Coag-Sense® PT/INR Professional System can be operated with the power adapter provided. The power adapter also serves as a charger.
- Place the meter on a flat, stable surface. To turn the meter ON/OFF, press and hold the POWER button on the right side of the meter at least 5 to 7 seconds until screen goes dark.



System and User Settings:

The meter is set to default factory settings, English is the default language and time/time zone is Pacific Standard time (UTC-8:00). User may modify User settings as appropriate. Refer to User Settings section in this manual for the list of settings and their functions. These User Settings help the User to Configure their PT/INR meter.

01/01/2023 12:01 AM	? 🗎
Settings	
Device information	>
Device settings	>
Data Transfer	>
Communication settings	>
External connection	>
Admin settings	>

No.	Action	Instructions
Device	Information Setting	
1. Dev	ice Information Screen	01/01/2023 12:01 AM
		Device nome CoarSense PT/INR System
		Serial number PT2BW
		Manufacturer CoaguSense, Inc.
		Software version >
		Test module version > .
		Build version >
		Kernel version 4.1.15+ga0b5a61
		Hardware version 1.0.9
		MAC address (Wired) F8:DC:7A:16:3D:96
		MAC Address (Wireless) 00:25:CA:14:42:FC

No. Action Instructions 2. Software Version Update 123 12:01 AM 🛛 🔌 🔔 🏌 🛜 🛙 1. See Device Information screen for version of software. New version 1,1,4 2. If there is a new software version: The latest version can be found in this screen. Clicking the 'New version' will download 2 the software update. 3 y1.1.4 [2022.12.29] Bug fixes. 3. A description of the software version to bring the system up-to-date or improve characteristics 01/01/2023 12:01 AM 🛛 🔌 🔔 🟌 4. Progress bar displayed after the download. 95 % 4 User may choose to Reboot the meter after the download

No.		Action	Instructions	
De	Device Setup			
1.	Device Settings	Screen	01/01/2023 12:01 AM 원보 : 종립 Device settings	
			Date/Time	>
			Language English	>
			Sound	>
			Sleep settings	>
			Alarm	>
			Theme Color	>
			Date format 2023/01/01	>
			Time format 3:30 PM	>
			Time zone	>
			Brightness	>
			Target range Low 2 / High 3	>
2.	Date/Time Settin	ngs	01/01/2023 12:01 AM	
			Date/Time	
			01/01/2023	
			© 2:29 pm	
			Cancel Confirm	

No.	Action	Instructions
Со	mmunication Settings	
1.	Status The screen lists the status of the communication channels. The forward button on each type will direct the User to a detailed view.	1 000702031ECPLAM 1 1 0 0 0 Communication settings Wireless sysapp_TimeCappule 2 0102
	 Communication settings. If connected to the Wireless, touchscreen displays the name of the Wi-Fi network. Wired ON/OFF. Bluetooth ON/OFF. 	
2.	 Wireless (Wi-Fi) Setting 5. This screen displays icons for Wireless settings. 6. When the button is touched it scans Wireless for networks nearby. 	5 OUTOFCADE 32:07 AM & A SET WHI 6 2 2 2 eners_AP Connected 8 hidden_sep iptimeSG_hid
	 Wireless ON/OFF icon. Shows connection if there are connected networks. Go to connect/disconnect AP screen. Connection pop-up. Clicking the 'Connect' icon will require User to input 	DI/01/2023 201 AM W/Fi isers_GUEST_2FA Selet Connect to connect the selected W/Fi, or Stepp Dutton to set up the write settings
	 password to connect to the network. 10. Wireless setup button. Clicking the 'Setup' icon will display the wireless information screen. 11. To disconnect pop-up files the user selects 'Disconnect' as shown. 	Setup Connect

No.	Action	Instructions
3.	Upon clicking the 'Setup' icon	12 01/01/2023 12:01 AM
	12. The touchscreen displays the Wireless Information screen.	Manual 13 IP address 10.0.1.22 Mask 255.255.0
	13. Select a connection method.	Router 10.0.1.255 DNS server DOCDOCDOCDOC
	14. Input into the fields for the wireless network information, i.e., IP address, Mask, Router and DNS server.	Cancel Confirm 15 11/2023 12-01 AM AN
	 Click 'Confirm' to proceed and enter the security password for connecting to a network. Then click 'Confirm'. 	Passphrase Confirm
	16. See Wi-Fi Setting containing the Hidden AP (Enterprise) added when the AP of the hidden attribute is scanned.	0101/2023 12:01 AM AN
4.	Connect to Hidden AP Enterprise	127/01/2023 12:01 AM 秋東京帝員 WiFi
	17. The hidden AP pop-up (Enterprise). Setup wired network connection by inputting the fields displayed in the screen.	hidden_eap Select 'Connect' to connect the selected WiFi, or 'Setup' button to set up the wireless settings Setup Connect
	18. Enter the SSID of the hidden attribute pop- up to be connected.	18 /0/2023 12:01 AM (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)
	19. Occurs when connecting to enterprise type Wi-Fi.	ssiD iptime_eap
	20. Enter security method, ID, password, etc.	Cancel Confirm
		Phase2 MSCHAPV2 V ID hjjang Password
		Cancel Confirm

No.		Action	Instructions
5.	Wirec 21.	I Settings If the connection method is DCHP, the contents are filled when the network with the DHCP server is plugged in.	21 C101/2023 1241 AM Amanual IP address 10.0.1.22 Mask 252.252.55.0 Router 10.0.1.255 DNS server Cancel Cancel Confirm
6.	Bluetooth		22 01/01/2023 12:01 AM 🛛 💥 💥 🗢 🗎
	22.	Bluetooth Select Menu.	Bluetooth Connect 23 Reset & Connect 24
	23.	Connect mobile device.	01/01/2023 12:01 AM
	23-1.	Set the external device ready to connect to the Coag-Sense® Meter.	Turn on Bluetooth on a mobile device, and then connect to Coag-Sense device
	23-2.	Bluetooth broadcast success pop-up.	800 Bluetooth connectivity Subtooth connectivity Subtooth connectivity Connected
	23-3.	Bluetooth Broadcast Fail pop-up. Troubleshoot when mobile device has a bluetooth pairing problem.	Bluetooth connectivity Failed to connect

tructions
24-1 01/01/2023 12:01 AM NUL * *
IESET MY BLUETOOTH rin having procide pairing to rine having (IESET) ryour device and start fresh. ancel RESET 2003 locid AM RESET Buttooth connectivity Buttooth connectivity Buttooth connectivity Buttooth connectivity Buttooth connectivity Buttooth connectivity
on Bluetooth on a mobile vice, and then connect to Coag-Sense device
023 12.01 AM \$ TO E
Connected
23 12:01 AM 秋泉水市 xternal connection 192,168,113,1
Failed to conne 23 12:01 AM Xternal connec 192:168: Open Ø

8. Performing a Control Test

There are 2 low control strips, 2 high control strips and a control strip activation solution shipped with each test strip kit. Controls should be tested immediately upon receipt of each new lot number. Extra controls may be ordered separately if more frequent QC testing is required. Please note that your home testing service provider may not include control strips in your supply shipment.

Note: The following directions are for running a high control strip. When this procedure is complete, run a low control strip. The controls may be run in any order. The meter will display and store the results in PT seconds only. The meter does not use or require results from the control strips prior to running a patient test strip.

Note: If an error message appears, consult the "Troubleshooting" section of this manual.

WARNING: DO NOT move or touch the meter while it is running a test. Unreliable results may occur.

Follow these steps to perform a test on a Low or High Control.

No.	Action	Instructions
1.	Power the meter ON by pressing and holding the (POWER) button on the right side of the meter.	
No disj	te: The message field on the first screen will olay any errors encountered during self-check.	

No.	Action	Instructions	
2.	Home screen will be displayed.	01/01/2023 12:01 AM 秘址字令目	
	 Test. Go forward to Test screen when touched. Control Test. Go forward to Control test screen when touched. Results. Go to forward to Results screen when touched. Settings. Go forward to Settings screen when touched. 	Control	
3.	Press the control icon on the display. Select from the following two options as applicable. Low Control Test or High Control Test. 1. Select control test type.	Image: state of the state o	

No.		Action	Instructions
4.	Str infe Pro the	ip lot confirmation screen displays the Lot ormation of the strip that was last recorded. oceed with testing if the control strip is from a same lot.	01/01/2023 12:01 AM
	2.	High Control Test Strip lot confirmation.	3 Change Continue 4
	3.	Change button. Go forward to new strip information Enter screen when touched.	
	4.	Continue button. Continue to the lot number, the previously entered strip when touched.	NFC TAG Owned
	5.	Otherwise press Change and scan the NFC Tag against the NFC Tag scanner on the meter, the Lot # (six-digit number) and Barcode # (eight-digit number) will auto populate.	STRP INSERTION AREA
	6.	If the NFC Tag information is not available, enter the Lot # and Barcode # manually using the keypad on the touchscreen.	
Pre	ss	he "Forward arrow."	
Note: Ensure the strip expiration date on the strip packaging has not passed. Contact your Coag-Sense [®] System distributor for help with reordering.		Ensure the strip expiration date on p packaging has not passed. Contact your Sense® System distributor for help ordering.	

 Open the packaging of the selected Control Strip by tearing the notched end.



No.	Action	Instructions
6.	Holding the round end, gently push the strip completely into the meter. The strip fits snugly when pushed all the way toward the back wall of the strip insertion area.	000/2023 1201 AM
7.	The meter warms the strip (for 25 seconds) to operating temperature, the display shows a countdown in seconds.	ovovzza 1201 AM NXX S = → High control test Please wait until warm-un is complete
No: unt shc	te: Do not apply the control activation solution il the warm-up is complete and the meter display ws 'Apply Control Solution'.	19
The meter beeps once and displays `Apply Control Solution' when it is ready for the Control Activation Solution.		VIVU/2023 12:01 AM
Note: You now have up to 2 ½ minutes to apply the Control Activation Solution to the control strip.		Solution
8.	Open the Control Activation Solution and hold at an angle to allow insertion of the transfer tube. Insert transfer tube into Control Activation Solution. Let capillary action fill until solution flow stops at green band.	F.A.
9.	Insert transfer tube tip into sample application well of test strip, touching tip down at flashing green light in front of wheel. Depress plunger completely to dispense the Control Activation Solution.	-
No.	Action	Instructions
--------------------------------	--	---
10.	When the Control Activation Solution is properly applied and detected, the flashing green light will turn off, and the meter displays 'Testing Please Wait'.	01/01/2023 12:01 AM → ¥ ≯ ⊕ Ē
No sec Rei DO soli	te: If this screen is not displayed within 8 conds not enough control solution was applied. move the strip. Retest with a new control strip. NOT attempt to add more control activation ution to the strip.	
11.	Repeat steps 2-10 for 'Low Control Strip'.	
12.	When testing is complete, the Pass/Fail results are displayed in PT units. Date and Time are also displayed. Remove and discard the Control Strips.	07/01/2023 12:01 AM € 1 & 3 @ ■ High control test 180050 01/01/2023 12:01 AM Pass PT : 40.0 Data of the data
No this with	te: Control test results only display PT seconds, is to avoid confusing control strip INR results in patient test strip INR results.	iype : High
13.	Once the controls have been successfully tested, remember to remove and discard the control strips. You can now proceed to testing blood samples. If you are not going to test, turn off the meter by pressing and holding the POWER button. The opened control activation solution may be used until the expiration date.	

Note: If control test fails, repeat the test with a new strip. If the control test continues to FAIL, contact Coag-Sense[®] Technical Support for assistance.

9. Collecting a Fingerstick Sample

Tips for a Successful Fingerstick

- · Make sure that you have all the supplies needed before you start.
 - 21g Lancet device (Single use, auto disabling)
 - Sample Transfer Tubes
- For fingerstick blood testing, increasing the flow of blood in the finger will help you capture a good drop of blood. Before you lance your finger, warm your hand by washing it in warm water, holding it under your armpit, or by using a hand warmer. Ensure that your hand is dry prior to testing.
- Do not use fingers with tight rings, scars, calluses, or other features that prevent getting good access to the blood.
- One of the middle or index fingers on either hand is recommended.
- Gently squeeze or massage the finger to be lanced, near the tip. Good circulation can be seen if the fingertip changes to a pinkish shade.
- Use a 21g 1.8-2.4 mm depth single-use auto-disabling lancet. Smaller gauge/shallow depth lancets (i.e., diabetes 23g lancets) should not be used. Refer to the Lancet device instructions for more information on use.
- Lance the fleshy part of the fingertip just slightly left or right of the center. **Press lancet firmly against finger.**
- For better blood flow, you may hold your hand below your heart. If necessary, squeeze the finger from the sides to open the wound for proper blood flow to produce a pea sized drop.

The best test sample is when:

- The blood is collected right after the fingerstick and put into the sample well without delay. If there is any delay in sample collection or application, repeat with a fresh fingerstick and a new strip.
- There are no bubbles or air pockets in the tube or sample.

WARNING: Blood samples, controls, used test strips, transfer tubes and lancets are potentially infectious. Dispose of strips and collection devices using universal precautions.



WARNING: Squeezing the fingerstick site excessively (milking) releases interstitial "tissue layer" fluid that causes unreliable results.

No.

Action

4. When ready to collect the drop of blood, hold the Sample Transfer Tube horizontally. Touch tip to bead of blood and let capillary action fill until blood flow stops at the green band. Squeeze the finger to generate additional blood if required to completely fill to the green band.



Instructions

 Once you have collected the blood sample, **IMMEDIATELY** put it into the sample well on the test strip. See "Performing a PT Test" section of this manual.



WARNING: If there is a bubble or an air pocket present in the blood sample in the transfer tube, start the test over with a fresh fingerstick on a different finger.

10. Performing a PT Test

WARNING: Place the meter on a stationary, level surface for testing. DO NOT move the meter or allow it to vibrate during the test. Unreliable results may occur.

Follow the below steps to perform a patient test:

No.	Action	Instructions
1.	Power the meter ON by pressing and holding the $\overset{0}{\cup}$ (POWER) button on the right side of the meter.	
No dis	te: The message field on the first screen will play errors encountered during self-check if any.	
2.	Home screen will be displayed. Press the 'Test' icon on the display screen.	01/01/2023 12:01 AM

No	Action	Instructions
3.	Patient Strip Lot confirmation screen displays the Lot information of the strip that was last recorded. Proceed with testing if the test strip is from the same lot.	0/01/2023 12:01 AM ▲ Patient Strib Lot # Confirmation Lot # Barcode # 516155 38119311 If Lot # on pouch matches with the above then Continue. Or select Change.
	Otherwise, scan the NFC Tag against the NFC Tag scanner on the meter, the Lot # (six-digit numeric identifier) and Barcode # (eight-digit numeric identifier) will auto populate.	Change Continue
	If the NFC Tag information is not available, you may manually enter the Lot # and Barcode # using the keypad on the touchscreen.	STRIP INSERTION AREA
	Press the forward arrow.	
No pa Se str	te: Make sure the expiration date on the strip ckaging has not passed. Contact your Coag- nse® System supplier when you need additional ips.	
4.	Open the packaging of the test strip by tearing the notched end.	Ccag-Sense" Protocombin Time (PTJ/INR Patient Test Strip
5.	Holding the round end, gently push the strip completely into the meter. The strip fits snugly when pushed all the way toward the back wall of the strip insertion area.	OVOV/2023 12:01 AM AVA S TO E Patient test Strip Lot # 111111 Patient Patient Patient Please insert a strip

No.	Action	Instructions
6.	The meter warms the strip (for 25 seconds) to operating temperature. The display shows a countdown in seconds.	Please wait until warm- up is complete
No is c sar	te: Do not apply test sample until the warm-up omplete and the meter display shows 'Apply nple.'	
	While the meter is warming up, get ready to perform	n a fingerstick
	See "Collecting a Fingerstick Sample" section in	this manual.
	When the warm-up is complete, the meter beeps (if sound is turned ON) the screen displays a 'Apply sample' message. Perform the Fingerstick.	Strip Lot # 11111
No fing	te: You now have up to 2 ½ minutes to perform a perstick and apply the sample to the test strip.	
7.	IMMEDIATELY after collecting your blood sample, place the tip of the sample transfer tube at a 45° angle into the sample well on the test strip in front of the wheel where you see the flashing green light. Gently touch the tip down onto the sample well. Depress the plunger completely to dispense blood sample.	
No the	te: Depress black plunger completely to dispense blood.	
8.	When the sample is detected, the meter displays a 'Testing Please Wait' message.	01/01/2023 12:01 AM 원활왕 수 🗐 Patient ID aa
No sec NO	te: If this screen is not displayed within 8 conds not enough blood sample was applied. DO T attempt to add more sample. Stop the test and est with a new strin and fingerstick	Testing Please Wait

No.	Action	Instructions
9.	When testing is complete, the meter beeps (if sound is turned ON). The results (INR and PT seconds) are displayed on the screen along with the date and time of the test.	01/01/202312:01 AM 01.31 (***) Strip Lot # 180076 Patient ID STAT 01/01/2023 12:01 AM 13.4. PT(Sec.) C
No as Up is c	te: Memo field allows you to make notes such medication or diet change along with the results. on clicking the Check mark icon, the main screen lisplayed.	
No this	te: Refer to the "Troubleshooting" section of manual if the meter displays messaging, like:	
CL	OT TIME TOO SHORT or NO CLOT DETECTED.	
10.	Remove the test strip and properly dispose.	
No un un Su	te: Repeat the test if the results seem usually low or high. If the results still seem usual after a second test, contact Technical oport.	
11.	You may print the results if you purchased the optional portable printer. Refer to the "Printing" section in this manual.	
No in r "Re info	te: The meter stores 2000 patient test results nemory with the time and date stamp. Refer to eviewing the Memory" in this manual for more new time the memory.	
12.	Turn the meter OFF by pressing and holding the POWER button when you are finished testing. If left unattended for a set time (User preferred Setting), the meter powers itself OFF.	

WARNING: An unexpected result may include any result that falls outside the patient's therapeutic target range, or a result that falls inside the target range but is not consistent with the patient's current health status (e.g., patient is experiencing bleeding or bruising).

What can cause unexpected results:

- Certain prescription drugs (for example, heparin) and certain over-the-counter medications can affect the action of oral blood thinners and the INR value.
- Changes in diet, lifestyle, or taking nutritional supplements such as ginkgo biloba can affect the action of oral blood thinners and the INR value.
- Liver diseases, congestive heart failure, thyroid dysfunction, Lupus, antiphospholipid antibody syndrome (APS) and other diseases or conditions can affect the action of oral blood thinners and the INR value.

Notify your doctor if you have any of these conditions before you begin testing, and any time there are changes in your health status or medications after you have begun testing.

What to do when you get an unexpected result:

Follow instructions for re-testing on the Coag-Sense® PT/INR Meter. For unexpected results, contact Technical Support at 1-866-903-0890. Always follow your doctor's instructions for adjusting your dose of anticoagulant medication, or any other corrective action.

11. Reviewing the Memory

The Coag-Sense® Meter stores up to 2000 patient test results and 500 control test results, along with the respective date and time of the test performed. When the memory has reached maximum storage capacity, the oldest result is automatically deleted and gets replaced with the most recent result. This meter records all test results, i.e., patient tests, and control tests. Memory is not lost if there is a break in power for any length of time. Test results stored in the Memory cannot be manually erased by the user.

Follow the steps below to review results in memory:



No.	Action	Instructions
3.	The 'Results' screen lists Patient test results and Control test results	01/01/2023 12:01 AM 정실상 중 블 Results
		Patient test
		Control test
4.	User can select an individual result from the list of results stored in memory to view its details or select the graph icon in the lower right corner to plot the results over a time period.	01/01/2023 12:01 AM
No onl	te: The results shown here are for representation y.	
5.	Clicking the chart icon displays test results for the selected time interval.	01/01/2023 12:01 AM * * * * * *
No "Se	te: The target range lines are set in ttings>Device Settings>Target range".	1.5 1.0 12/18 12/23 12/28 01/02
No deµ cho	te: The unit of the x-axis value of the chart pends on the period selected. The User may pose to view more than one month.	
6.	When an individual result is viewed, a memo can be added or changed, and the result can be printed to an optional portable printer.	01/01/2023 12:01 AM Strip Lot # 51615538119311 Strip Lot # 51615538119311 STAT 01/01/2023 12:01 AM 32.8 2.7 NR 32.8 Show results of history feature STAT

12. Printing

With the portable printer (optional accessory) available from CoaguSense, Inc. results from the Coag-Sense[®] Meter memory can be printed on thermal paper.

What you'll need:

- Coag-Sense[®] Meter
- Optional Portable Printer, Catalog # 03P76-01
- 2" Thermal Paper, Catalog # PD99906

Follow the steps below for printing results.

No.	Action	Instructions
1.	Plug the USB cable from the portable printer into the USB port of the meter.	USB PORT
2.	From the individual result display click the printer icon in the lower-right hand corner of the screen to print the result.	01/01/2023 12:01 AM (A) (A 3 (7) Strip Lot # 51:61:55:38119311 Patient ID STAT 01/01/2023 12:01 AM 2.7 INR 32.8 PT (INR INR INF
3.	You may choose from three different printer connection modes. Network and Bluetooth modes will require configuration using the setup icon prior to printing. Press Print to print the result.	01/01/2023 12:01 AM N X X T Print USB Network Bluetooth Cancel Print

If the results fail to print, confirm that the printer is ON and charged as it automatically turns OFF after a few minutes. Note that the meter can only print to specific printers qualified and supplied by CoaguSense, Inc. The meter cannot print directly to your home computer printer.

For assistance with the printing function contact CoaguSense, Inc. Technical Support at techsupport@coag-sense.com or call 1-866-903-0890.

13. Network Connectivity and Security

The Coag-Sense® Meter offers the ability to receive product software updates from the manufacturer via the Internet. The Coag-Sense® Meter can be connected to a Local Area Network (LAN) via either a direct Ethernet connection or wirelessly using Wi-Fi. If this meter is connected to a local area network, the network must be protected against unauthorized access. Customers are responsible for the security of their local area network, especially in protecting it against malicious software and attacks. This protection might include measures, such as a firewall to separate the device from uncontrolled networks and intrusion detection that ensure that the connected network is free of malicious code including intrusion detection.

14. Bluetooth App Security

For security reasons, it is recommended that you only connect your Coag-Sense® Meter to Bluetooth apps that have been provided to you by your home testing service provider or CoaguSense, Inc.

15. Meter Software Update

When connected to the Internet the Coag-Sense® Meter will check for the availability of meter software updates which can be downloaded. If the meter is not continuously connected to the Internet, you should make it a practice to periodically connect the meter to the Internet to check for software updates. If a critical update is available, the meter may require the installation of an update prior to proceeding with testing. Make sure to check if the battery is fully charged before performing an update. If the battery's charge is not enough and the meter is abruptly turned off during update, an error may occur on the meter.



16. Battery

The Coag-Sense[®] Meter has a factory installed Rechargeable Lithium Polymer Battery, that charges when the power adapter (provided with the meter) is plugged into the wall socket. A charged battery (6 hours to fully charge) can run approximately 100 tests. Please be aware that battery life may be affected by many factors such as operating conditions (e.g., ambient temperature), frequency of use, and test duration.

Note: The Battery is not user replaceable.



When the battery is running low the status bar on the touchscreen of the meter displays a red indicator in the 'Battery status' icon. The touchscreen displays a 'Low Battery' warning. The battery begins charging as soon as the power adapter is connected to the power supply.

WARNING: Lithium Polymer batteries may explode or combust if mishandled. Do not subject the meter to prolonged exposure to sunlight or place the meter on or in heating appliances such as microwave, conventional oven, or radiator. Only charge battery using the power adapter provided along with the Coag-Sense® Meter. Use of other power cables may result in damage to the meter. Do not disassemble or dispose of the battery in fire. Do not charge/ discharge battery out of recommended temperature range.

17. Cleaning and Disinfecting the Meter

No maintenance is required other than routine cleaning and/or disinfecting.

When the power is off and the USB cable is not connected, the meter housing can be cleaned and disinfected. Wipe all exposed surfaces with Healthcare Bleach Germicidal Wipes containing Sodium Hypochlorite (EPA No. 67619-12) for a contact time of 1 minute to pre-clean blood and other body fluids. Caution should be taken to not get fluids inside the meter through the test strip port, data transmission port, or battery compartment. Dispose of the used towelette. The meter should be allowed to air dry before use.



The test strip is designed to contain the patient sample, preventing it from entering the meter. Do not clean/disinfect inside the meter where the test strip is inserted. Cleaning this area should be avoided. Please contact Technical Support at techsupport@coag-sense.com or call 1-866-903-0890 if this area requires cleaning/disinfecting.

WARNING: Do not put the meter in liquid. Do not allow liquids to get inside the meter or into any of the connectors or plugs on the meter. If you suspect any physical damage or deterioration of the meter (such as cracking or gross distortion), or if the meter does not turn on after cleaning, call Technical Support. Always refer to local, state and federal disinfecting guidelines. More information on bloodborne pathogen safety and proper disinfecting techniques can be found at:

Federal Register: Guidance for Industry and Food and Drug Administration Staff; Blood Lancet Labeling; Availability

(https://www.federalregister.gov/documents/2010/11/29/2010-29795/ guidance-for-industry-and-food-and-drug-administration-staff-blood-lancetlabeling-availability#:~:text=On%20August%2026%2C%202010%2C%20 the%20FDA%20and%20Centers.patient%20poses%20a%20risk%20of%20 transmitting%20bloodborne%20pathogens.)

CDC Clinical Reminder: Use of Fingerstick Devices on More than One Person Poses Risk for Transmitting Bloodborne Pathogens

(https://www.cdc.gov/injectionsafety/Fingerstick-DevicesBGM.html)

18. Troubleshooting

The Coag-Sense® Meter continually checks its systems for unexpected conditions. These may arise because of defective components or consumables, environmental factors or due to User handling and procedure errors. This section details how to resolve most problems that you might encounter. If you have any questions or problems during the troubleshooting process, note the display wording and contact Technical Support at **1-866-903-0890** or email techsupport@coag-sense.com.

Meter Display	Possible Cause(s)	Solution
ROOM TEMP INCORRECT SEE MANUAL	The temperature of the room is either below or above the operating temperature range of the meter. Battery was depleted and then plugged into AC adapter while repeated testing continued. The charging of the battery can generate enough heat to raise the internal temperature of the meter outside the operations range.	Move the meter to a place that is within the operating temperature range of the meter (65°F to 90°F, 18°C to 32°C) and allow meter time to adjust to correct temperature. Repeat testing. Remove AC power and allow meter to cool prior to continuing testing or suspend testing until battery has charged and the internal temperature has cooled down sufficiently.
REMOVE STRIP	Meter turned off with used strip	Remove the strip and
	in it.	begin again.
	If no strip present, possible shipment damage.	Call Technical Support.
STRIP ERROR	The test strip was not inserted fully or may have been inserted at an incorrect angle or incorrect speed.	Reinsert the strip holding the back of the meter steady with one hand while inserting the strip completely using a quick smooth motion with the other band. If divelou periods
	There may be a problem with the wheel on the strip or with the meter.	try again with another new strip.
		If the message displays again contact Technical Support.

Meter Display	Possible Cause(s)	Solution
LIQUID PROBLEM	There may be a problem with the strip or with the optical system of the meter.	Take the strip out and reinsert holding the back of the instrument steady with one hand while inserting the strip completely with the other hand. Insert the strip using a quick smooth motion.
		Try again with another strip.
		If the message persists, contact Technical Support.
HEATER PROBLEM	The meter is too warm, too cold, or there may be a problem with the meter.	Move the meter to a place that is within the operating temperature range of the meter ($65^{\circ}F$ to 90^{\circ}F, $18^{\circ}C$ to $32^{\circ}C$) and allow meter time to adjust to correct temperature. Repeat testing.
		Turn meter off then on again after 5-7 minutes.
		Try again with another strip.
		If the display persists, contact Technical Support.

Meter Display	Possible Cause(s)	Solution
TEST STRIP EXPIRED	The lot of strips have expired.	Use a different lot of strips that has not expired.
SEE MANUAL	Meter date is not set correctly.	
		Verify the date setting on the meter is current.
NO SAMPLE DETECTED	Either no sample or not enough sample was applied to the strip within 2 1/2 minutes after the 'Apply Sample' message was displayed. This can also happen if sample is applied on the strip but	Repeat the entire procedure (including fingerstick on a different finger) with a new strip.
		Apply the sample within 2 1/2 minutes after display of the 'Apply Sample' message.
	well.	Ensure that the transfer tube is filled to the green band and touches the sample well before dispensing sample.
BATTERY LOW/ DISPLAY IS BLANK	The meter battery is low.	The meter can complete the current test. The meter connected to the power adapter should be plugged into the wall socket

Meter Display	Possible Cause(s)	Solution
CONTROL FAIL-NO CLOT DETECTED	There was no clot formation; sample clotting time was very long and out of testing range. There was insufficient control activation solution transferred to the test strip. Possible causes include an air bubble in the sample or not allowing control activation solution to completely fill transfer tube.	Repeat the entire procedure with a new strip. If the same message persists and if you have additional inventory of the test strip kit from the same kit lot, use the control strip from that box(es). If the error message persists, contact your service provider. This does not indicate a meter malfunction.
	This may be due to a problem with the shipment/storage of the control strips or the control activation solution. Plasma on control strips is sensitive to exposure to temperatures outside the storage range.	
CONTROL FAIL- CLOT TIME TOO SHORT	The clotting time was very short and out of testing range (<8 seconds).	Visually confirm that no air bubbles are in the control activation solution sample before applying to test strip.
	An air bubble was detected in the control activation solution sample.	Ensure that the tube is filled to the green band. Depress black plunger completely to dispense the
	filled with the control activation solution to the green band.	control activation solution sample.
	Applying the control activation solution to the test strip before Apply Control Solution displayed on screen.	Repeat the entire procedure with a new strip.

Meter Display	Possible Cause(s)	Solution
CONTROL FAIL-OUT OF RANGE	The control strip result is outside of its acceptable range (FAIL-out of range). This may be due to a problem with the shipment/storage	Repeat test with another control strip. If the second test is out of range, contact Technical Support.
	of the control strips or the control activation solution. Plasma on control strips has a limited shelf life and the clotting time will change	Control strips should be tested immediately upon receipt of your shipment of new Test Strips as they have a limited shelf life.
	outside the storage range.	This does not indicate a meter malfunction.
CLOT TIME TOO SHORT	The clotting time was very short and out of testing range (<8 seconds).	Repeat the entire procedure (including fingerstick on a different finger) with a new strip.
	An air bubble was detected in the sample.	Visually confirm that no air bubbles are in the sample before applying to test strip.
	Lancing the finger before 'Apply sample' displayed on screen.	Depress black plunger completely to dispense the sample.
	Taking too long to collect the sample in transfer tube (make sure to use a 21g lancet for a good flow of blood).	If the same message repeats, contact Technical Support.
NO CLOT DETECTED	The sample clotting time was very long and out of testing range.	You should not use this test if you are also taking heparin or other contraindicated drugs listed on the test strip package insert
	There was insufficient sample transferred to the test strip. Possible causes include improper lancing (21g lancet required), an air bubble in the sample, or not allowing sample to completely fill transfer tube.	Visually confirm that no air bubbles are in the sample before applying to test strip.
		Depress black plunger completely to dispense the sample.
		Repeat the entire procedure (including fingerstick) with a new strip. If the same message displays, use an alternative testing method and contact Technical Support.

General Troubleshooting

Meter Display	Possible Cause(s)	Solution		
Meter does not power ON	Insufficient Battery to Power ON. Power Adapter is not connected	Check if the power adapter (provided with the meter) is connected to the port in the Meter and the wall socket.		
		If issue persists, or if the power adapter is faulty, contact Technical		
	Not pressing and holding Power button when turning meter on.	Support.		
Cannot insert strip completely	Accumulation of dirt, dust, control activation solution, or blood in the strip insertion area.	Contact Technical Support for assistance with cleaning the strip insertion area.		
	Wheel is not seated properly in test strip.	If issue persists, Contact Technical Support.		
Touch screen display issues	Insufficient/Low Battery. Display Faint or Low brightness.	Connect the power adapter to the wall socket.		
	Display Screen Flickers.	Change 'Brightness' User setting in the 'Device Settings' menu of the meter.		
		Check Battery level and if issue persists, contact Technical Support		
Touch screen not responding	Dropping or subjecting the meter to strong shocks.	Contact Technical Support.		

Meter Display	Possible Cause(s)	Solution
Touch screen scratched or cracked	Dropping or subjecting the meter to strong shocks.	Contact Technical Support.
	Using pointed or sharp- edged objects other than the recommended 'finger' or rubber stylus to touch the screen elements.	
Power Adapter not working	Faulty Adapter (Bent power cord. Bent power pin in the meter).	Check adapter functionality by plugging the power adapter to a different wall socket.
		If issue persists, contact Technical Support.
Software Issues	Software version update issue.	Power cycle and re-install new software version if available
		If issue persists, press Reset button to restore factory settings. If issue still exists, contact Technical Support.
Lost NFC Tag	Misplaced NFC Tag.	The NFC Tag is provided with each test strip kit box. Otherwise, enter the strip information manually into the touchscreen to perform the current test.
		Alternately, if you have additional inventory of the test strip kit from the same kit lot, use the NFC Tag from that box.

Meter Display	Possible Cause(s)	Solution
NFC Tag Issues: NFC Tag not working Scanned information does not match the information on the strip packaging	Improper scanning of the NFC Tag. Faulty NFC Tag scanner in the meter.	Touch or bring the NFC Tag in proximity to the NFC Tag scanner. If the issue persists, enter the strip information manually into the touchscreen to perform the current test.
		If you have more than one meter, try scanning the NFC Tag on another meter to narrow down the root cause to either the tag or scanner.
		If the issue persists, contact Technical Support.
NFC Tag scanner issue	Tag Scanner works intermittently or does not work.	Scan the alternate NFC Tag provided.
	Scanned NFC Tag did not match the Lot # and Barcode # on the test strip.	Touch or bring the NFC Tag to proximity of the NFC Tag scanner. If the issue persists, enter the strip information manually into the touchscreen to perform the current test.
		If you have more than one meter, try scanning an NFC Tag on another meter to narrow down the root cause to either the tag or scanner.
		If the issue persists, contact Technical Support.

Limited One (1) Year Warranty

Use of the Coag-Sense® PT/INR System

The Coag-Sense® PT/INR System is designed for use in monitoring patients on oral anticoagulant therapy. Proper adherence to the instructions in this User Manual and package insert are critical to proper operation. WARNING: Failure to comply with the User Manual could lead to inaccurate PT/INR results which could lead to incorrect medication dosing which could lead to injury or death.

Limited Warranty

COAGUSENSE, INC. WARRANTS THAT THE COAG-SENSE® METER ("METER") IS FREE FROM ALL DEFECTS IN MATERIAL AND WORKMANSHIP FOR A PERIOD. OF ONE (1) YEAR FROM DATE OF DELIVERY. WHEN THE METER IS USED FOR THE INTENDED PURPOSE AND IN THE APPROPRIATE MANNER, AND AFTER AN ATTEMPT IS MADE BY YOU AND COAGUSENSE, INC. TO FIX THE ISSUE BY TELEPHONE, COAGUSENSE, INC'S REMEDY IS TO REPAIR OR REPLACE THE METER AT THEIR DISCRETION. THE WARRANTY DOES NOT APPLY TO A METER DAMAGED BY MISUSE, ALTERATION OR TAMPERING TO EITHER HARDWARE OR SOFTWARE, CONTACT TECHNICAL SUPPORT AT 1-866-903-0890 FOR INSTRUCTIONS. THIS WARRANTY APPLIES ONLY TO THE METER. COAGUSENSE, INC'S ENTIRE LIABILITY IN CONNECTION WITH THE METER, REGARDLESS OF THE LEGAL OR EQUITABLE BASIS OF ANY CLAIM. IS LIMITED TO THE PURCHASE PRICE OF THE METER. IN NO EVENT SHALL COAGUSENSE, INC. BE LIABLE TO THE PURCHASER FOR ANY INCIDENTAL, CONSEQUENTIAL (INCLUDING BUT NOT LIMITED TO LOSS OF INCOME OR PROFITS) SPECIAL, INDIRECT, OR PUNITIVE DAMAGES ARISING FROM OR IN ANY WAY CONNECTED WITH THE PURCHASE OR OPERATION OF THE METER OR ITS PARTS. NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE IS IMPLIED FROM THE SALE OF THE COAG-SENSE® PT/INR SYSTEM. NO WARRANTY, EXPRESS OR IMPLIED (IF ANY) SHALL EXTEND FOR A LONGER DURATION THAN THE DURATION OF THE EXPRESS WARRANTY STATED ABOVE.

Expected Service Life

The Coag-Sense® PT/INR Monitoring System's expected service life is five (5) years from the manufacturing date when used according to specifications.

Instructions for Meter's Return

If there is an issue with the Meter, you agree to a telephone consultation with CoaguSense, Inc. Technical Service to attempt to remedy the issue. Upon review and agreement, you may be directed to return the PT/INR Meter to CoaguSense, Inc. Should this occur, clean the outside surface, as described in the "Cleaning and Disinfecting the Meter" section before returning the device. Original packaging may be required for this purpose.

20. Reordering Information

For a description of the products listed below, please see the information above.

Product	Catalog #
Coag-Sense® PT/INR Patient Self-Test System	03P70-01
Coag-Sense® Test Strip Kit - 50 count, Controls included	03P56-50
Coag-Sense® Test Strip Kit 6-count	03P70-06
Coag-Sense [®] Control Strip Kit -10	03P69-10
PT2 Sample Transfer Tubes Bag Vacuum, 9 count	03P52-56
Coag-Sense [®] Lancets Auto Single Use, 21g, 2.2mm depth - Box of 100	03P58-04
AC Power Adapter – International	03P74-01
Coag-Sense® Portable Printer, USB, Bluetooth, and Wi-Fi	03P76-01
Portable Printer Paper, 5 rolls	PD-99906
PT2 Carrying Case	03P75-01

21. EMC Tables

The following tables contain the Manufacturer's declaration and additional information required by IEC 60601-2:2014 (Fourth Edition).

Test Name	Ref. Standard	Ports to Test	AC Mains Voltage	Test Level Required	Notes
Mains Terminal Disturbance Voltage	CISPR 11:2015± A1:2016	AC Mains	100V-50Hz 100V-60Hz 220V-60Hz 230V-50Hz	Group I, Class A	
Radiated Disturbance	CISPR 11:2015± A1:2016	Enclosure	100V-50Hz 100V-60Hz 220V-60Hz 230V-50Hz	Group I, Class A	
Harmonic Current Emissions	EC 61000- 3-2:2014	AC Mains	230V-50Hz	Class A	
Voltage Fluctuations & Flicker	EC 61000- 3-3:2013	AC Mains	230V-50Hz	Pst = 1 Pit = 0.65 Dmax = 4 DC = 3.3%	
Electrostatic Discharges (ESD)	EC 61000- 4-2:2008	Enclosure	230V-50Hz	±8kV Contact ±2kV, ±4kV, ±8kV, ±15kV Air	1 pulse/ 1sec contact 8kV air 15kV
Radiated RF Electro- Magnetic Fields	EC 61000- 4-3:2008± A1-2007± A2.2010	Enclosure	230V-50Hz	10V/m 80MHz to 2.7GHz 80%AM at 2Hz RF Wireless Comm. (Refer to test report clause 115)	Dwell time is 3 sec
Electric Fast Transients & Burst	EC 61000- 4-2:2012	AC Mains	230V-50Hz	±2kV AC, 100kHz PRR	
		I/O Lines>3m		±1kV AC, 100KHz PRR	

Test Name	Ref. Standard	Ports to Test	AC Mains Voltage	Test Level Required	Notes
Surges	EC 61000- 4-5:2014/ AMD:2017	AC Mains	230V-50Hz	±0.5kV, ±1kV L1 to L2 (DM)	5 pulses at 0° 90° 180° 270°
Conducted Disturbances, Induced by RF fields	EC 61000- 6:2013	AC Mains & all I/O	230V-50Hz	3Vrms 150kHz to 80MHz 6Vrms in ISM and Amateur radio bands between 0.15MHz & 80MHz	Dwell time is 3 sec
Voltage Dips, Interruptions & Variations	EC 61000- 411:2004/ AMD:2017	AC Mains	100V-60Hz 240V-60Hz	0% UT for 0.5 cycle	At 0°, 45° 90° 135° 180° 225° 270° 315°
				0% UT for 1 cycle 60Hz: 70% UT for 30 cycles	At 0°, 180°
				60Hz: 0% UT for 300 cycles	At 0°, 180°
Power Frequency Magnetic Field	EC 61000- 8:2009	Enclosure	230V-50Hz	30A/m	

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Made in Korea



In vitro diagnostic medical device







Caution: Federal law restricts this device to sale by or on the order of a physician.

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Patent 7,235,213 CSI P/N 200219 Rev AE Edition: July 2023