

GE Healthcare

MAC™2000 ECG Analysis System

Supplies and Accessories

Reference Guide

2053535-004 Revision E



English
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Publication Information

The information in this manual applies only to MAC™2000. Due to continuing product innovation, specifications in this manual are subject to change without notice.

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Revision	Date	Comments
A	17 October 2012	Internal release
B	19 April 2013	Customer release
C	19 August 2013	All references to the software version number were removed from the manual per SPR HCSDM00229788.
D	31 January 2014	Added CE mark information to Publication Information and on back page; added sentence in Chapter 2, Supplies & Accessories, noting that CE information is on individual item packaging and labeling; per SPR HCSDM00264047.
E	4 January 2017	Updated the following: <ul style="list-style-type: none">• removed all the CE information.• removed the accessories instructions.

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To access Original Equipment Manufacturer (OEM) documents, go to the device manufacturer's website.

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Introduction

Quality supplies and accessories for your GE Healthcare device play an important role in ensuring that your system performs at the high level you have come to expect from GE Healthcare.

Use this manual as your guide for the GE Healthcare supplies and accessories that have proven compatibility with your device. From electrodes, cables, and leadwires to recording paper, you can be assured that each product listed was tested and validated with the device, enabling your system's performance to be representative of GE Healthcare's quality.

You can rely on GE Healthcare as your trusted source for supplies and accessories after your original purchase and throughout the life of your system.

Additional information regarding the use of supplies and accessories with this device may be found in the product operator manual or the instructions for use of the particular supply or accessory.

Ordering Information

The availability of supplies and accessories varies by country. Contact your local GE Healthcare representative to check on the availability of selected supplies and accessories in your region.

Americas	Asia Pacific
North America T: 1-800-558-7044, option #2 F: 1-800-421-4841 msdcarhardcopyorders@ge.com	Australia T: +61 1800 223 615 F: +612 9846 4762 medanzdocustomerservice@med.ge.com
Canada and Latin America for VSD Products T: 1-800-932-0760 F: 1-973-956-5437 vsdinternationalcoordination@ge.com	India T: +91 80 28452923/25/26 F: +91 80 28452924

Canada for GE Legacy Products
T: 1-800-668-0732, option #3
F: 1-888-988-6822
can-caresdia@med.ge.com

Japan
T: +81 42 585 5111
Korea
T: +82 2 6201 3114
Association of Southeast Asian Nations
T: +65 6291 8528

Europe

Denmark
T: +45 43 29 5885
F: +45 43 29 5701
ordregehcit@ge.com

Norway
T: +47 23 18 50 50
F: +47 23 18 60 40

Finland
T: +358 10 394 5466
T: +358 10 394 5422
F: +358 9 146 3310
finlandorders@ge.com

Russia
T: +7 495 739 6931
F: +7 495 739 6932

France
T: +33 4 78 66 62 10
F: +33 4 78 66 79 04
advlimonest@ge.com

Spain
T: (0034) 902 100 163
F: (0034) 902 100 178
gevsdattcliente@ge.com

Germany
T: +49 761 4543 601
F: +49 761 4543 608

Sweden
T: +46 8 559 500 10
F: +46 8 559 500 15
orderswe@ge.com

Italy
T: (0039) 022 6001622
F: (0039) 022 6001625

Turkey
T: +90 312 289 77 00
F: +90 312 289 78 02

Netherlands
T: +31(0) 33 25 41 222
F: +31(0) 33 25 41 223
ordershoev@ge.com

United Kingdom
T: +44 (0) 1707 274183
F: uk.customersalesoffice@med.ge.com
ehandel@ge.com

Regulatory and Safety Information

This section provides information about the safe use and regulatory compliance of the supplies and accessories for this system. Familiarize yourself with this information, and read and understand all instructions before attempting to use these supplies and accessories.

Safety Messages

WARNING:

PATIENT SAFETY/EQUIPMENT FAILURE — Using unauthorized supplies or accessories can result in patient injury or equipment failure.

To ensure patient safety, use only supplies and accessories manufactured or validated by GE Healthcare and recommended for use with this device.

Parts, supplies, and accessories must meet the requirements of the applicable safety standards. The system configuration must meet the requirements of the IEC60601/EN60601-1 Medical Electrical Systems standard. Using accessory equipment that does not comply with the equivalent safety requirements of this equipment may lead to a reduced level of safety of the resulting system.

When choosing accessories, consider the following:

- Use of the accessory in the patient vicinity.
Patient vicinity is defined as a space, within a location intended for the examination and treatment of patients, extending 1.83m (6 ft.) beyond the normal location of the bed, chair, table, treadmill, or other device(s) supporting the patient during examination and treatment, and extending vertically to 2.5m (8 ft., 2.4 in.) above the floor.
- Evidence that the safety certification of the accessory was performed in accordance with the appropriate IEC60601/EN60601-1 standard(s).

Contact GE Healthcare for information before connecting the device to any accessories that are not recommended in this manual.

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Supplies and Accessories

This chapter identifies supplies and accessories that are approved for use with your system.

See individual supplies and accessories packaging and labeling for CE marking information.

The availability of supplies and accessories varies by country or region. Contact your local sales or service representative to check on the availability of supplies and accessories.

Ordering and Carefusion Contact Information

Contact Carefusion to reorder parts and accessories.

<http://www.carefusion.com/customer-support/>

Supplies

Paper

Part Number	Description
2009828-061	GE Premium Thermal-Sensitive Chart Paper, Red Grid Blank Interpretation Area, 8.43 in x 11 in. (214.2 mm x 279.4 mm) Sheet, Z-fold, Queue Hole, 150 sheets/pack, 16 packs/case, 2400 sheets/case.
2020314-001	GE Premium Thermal-Sensitive Chart Paper, Full Page Red Grid, A4, 210 mm x 295 mm (8.26 in x 11.61 in.) Sheet, Z-fold, Queue Mark, 150 sheets/pack, 10 packs/case, 1500 sheets/case
22616605	GE Contrast Thermal-Sensitive Chart Paper, Full Page Red Grid, A4, 210 mm x 295 mm (8.26 in x 11.61 in.) Sheet, Z-fold, Queue Mark, 150 sheets/pack, 10 packs/case, 1500 sheets/case

Paper (cont'd.)

Part Number	Description
22616606	GE Contrast Thermal-Sensitive Chart Paper, Full Page Red Grid, 216 mm x 280 mm (8.5 in x 11 in.) Sheet, Z-fold, Queue Mark, 150 sheets/pack, 10 packs/case, 1500 sheets/case
22616611	GE Archivist Thermal-Sensitive Chart Paper, Full Page Red Grid, A4, 210 mm x 295 mm (8.26 in x 11.61 in.) Sheet, Z-fold, Queue Mark, 150 sheets/pack, 10 packs/case, 1500 sheets/case

Creams, Gels, Sprays, Pads

Part Number	Description
2034731-002	Electrode Gel, 250 ml bottle, 4/case
2034741-002	Epicont Cream, 250 ml bottle, 4/case
2046978-001	Electrode Cream, 250 ml bottle, 4/case
21708318	Electrode Cream, 250 ml bottle
21730701	Electrode Contact Spray, 200 ml bottle
21730702	Electrode Contact Spray, 200 ml bottle, 10/box
21730705	Electrode Contact Spray, 2 L
401210-001	Signacreme® Electrode Cream, 5 oz bottle, 12/case
401210-003	Signacreme® Electrode Cream, 70 oz bottle w/pump

Accessories

Electrodes, Non-polarizing

Part Number	Description
2014780-001	SilverTRACE ECG Electrodes, Soft Stress PS50MO, foam round, wet gel, 30/pouch, 300/box
2014783-001	<i>SilverTRACE</i> ECG Electrodes, Window P50TR, clear tape round, solid gel, 30/pouch, 300/box
2014784-001	<i>SilverTRACE</i> ECG Electrodes, Window P50TR, clear tape round, solid gel, 5/strip, 300/box
2014785-001	<i>SilverTRACE</i> ECG Electrodes, Window P50TR, clear tape round, solid gel, 7/strip, 350/box
2014786-001	<i>SilverTRACE</i> ECG Electrodes, First Carbon P28MOC, foam rectangle, wet gel, carbon snap, 30/pouch, 300/box
2046545-001	ECG Electrode, Wet Gel P28 MOC, SilverTRACE Electrodes, 30/pack
21714401	Suction Bulb Electrode, Thorax Electrode
402207-810	BabyMAC Electrodes, Resting ECG Electrodes, 10/card, 50/pack, 500/case
42101600	Suction Bulb 32 x 33 rubber blue

Electrodes, Non-polarizing (cont'd.)

Part Number	Description
900703-805	SilverTRACE Ag/AgCl Electrodes, Adult Holter/Stress Electrode, Foam Oval, Wet Gel, 5/pkg, 150/box, 600/case
900703-830	SilverTRACE Ag/AgCl Electrodes, Adult Holter/Stress Electrode, Foam Oval, Wet Gel, 30/pouch, 300/case
91920031	SilverTRACE ECG Electrodes, Soft P55MO, foam round, wet gel, 25/pouch, 200/box
9623-810	Silver Mactrode Resting ECG Electrodes, 10/card, 100/pack, 1000/case
9623-810P	Silver Mactrode Plus Resting ECG Electrodes, 10/card, 100/pack, 1000/case

Leadwires

Part Number	Description
2001925-003	CAM 14 ECG Leadwire, Universal, 40 in (102 cm)
2001925-004	CAM 14 ECG Leadwire, Universal, 51 in (130 cm)
2001925-005	CAM 14 ECG Leadwire, Universal, 26 in (66 cm)
2001925-006	CAM 14 ECG Leadwire, Universal, 36 in (90 cm)
2016032-001	CAM 14 Leadwire Set, Dedicated Banana, AHA, 10/set, mixed lengths
2016032-002	CAM 14 Leadwire Set, Dedicated Banana, IEC, 10/set, mixed lengths
2020558-001	CAM 14 ECG Leadwire, Dedicated Banana, AHA, 36 in (90 cm), RA
2020558-002	CAM 14 ECG Leadwire, Dedicated Banana, AHA, 36 in (90 cm), LA
2020558-003	CAM 14 ECG Leadwire, Dedicated Banana, AHA, 40 in (102 cm), LL
2020558-004	CAM 14 ECG Leadwire, Dedicated Banana, AHA, 40 in (102 cm), RL
2020558-005	CAM 14 ECG Leadwire, Dedicated Banana, AHA, 26 in (66 cm), V1
2020558-006	CAM 14 ECG Leadwire, Dedicated Banana, AHA, 26 in (66 cm), V2
2020558-007	CAM 14 ECG Leadwire, Dedicated Banana, AHA, 26 in (66 cm), V3
2020558-008	CAM 14 ECG Leadwire, Dedicated Banana, AHA, 26 in (66 cm), V4
2020558-009	CAM 14 ECG Leadwire, Dedicated Banana, AHA, 26 in (66 cm), V5
2020558-010	CAM 14 ECG Leadwire, Dedicated Banana, AHA, 26 in (66 cm), V6
2020559-001	CAM 14 ECG Leadwire, Dedicated Banana, IEC, 36 in (90 cm), R
2020559-002	CAM 14 ECG Leadwire, Dedicated Banana, IEC, 36 in (90 cm), L
2020559-003	CAM 14 ECG Leadwire, Dedicated Banana, IEC, 40 in (102 cm), F
2020559-004	CAM 14 ECG Leadwire, Dedicated Banana, IEC, 40 in (102 cm), N
2020559-005	CAM 14 ECG Leadwire, Dedicated Banana, IEC, 26 in (66 cm), C1
2020559-006	CAM 14 ECG Leadwire, Dedicated Banana, IEC, 26 in (66 cm), C2

Leadwires (cont'd.)

Part Number	Description
2020559-007	CAM 14 ECG Leadwire, Dedicated Banana, IEC, 26 in (66 cm), C3
2020559-008	CAM 14 ECG Leadwire, Dedicated Banana, IEC, 26 in (66 cm), C4
2020559-009	CAM 14 ECG Leadwire, Dedicated Banana, IEC, 26 in (66 cm), C5
2020559-010	CAM 14 ECG Leadwire, Dedicated Banana, IEC, 26 in (66 cm), C6
38401765	ECG Leadwire Set with Resistance, Banana, IEC, 10/set, mixed lengths
38401766	ECG Leadwire Set with Resistance, Banana, IEC, NST & NAX, 27 in (70 cm)
38401816	ECG Leadwire Set, Banana, 10/set, IEC, mixed lengths
38401817	ECG Leadwire Set, Banana, 10/set, AHA, mixed lengths
420101-002	CAM 14 ECG Leadwire Set, Universal, mixed length, 10/set

Leadwire Accessories

Part Number	Description
401089-003	Leadwire Organizers, 4 3-L Separators, 2 4-L Separators
414763-002	Multi-Link Leadwire Separator, 3-L, 3/pack

Cables

Part Number	Description
2029890-001	Value ECG Cable/Leadwires, 10-L, IEC
2029893-001	Value ECG Cable/Leadwires, 10-L, AHA
22336203	Connection cable to CardioSys
22338002	Connection cable for eBike
22339003	Connection cable for T2000/T2100
22340305	ECG Cable, 14-L, IEC, 2.5m (8 ft)
22341808	ECG Cable, Multi-Link, 10-L, IEC, 2.5m (8 ft)
22341809	ECG Cable, Multi-Link, MAC 500/1200, 10-L, AHA, 3m (10 ft)

ECG Adapters and Connectors

Part Number	Description
2029891-001	Reusable Limb Clamps, IEC, 4/set
2029892-001	Reusable Bulb Electrodes, 6/set
2029894-001	Reusable Limb Clamps, AHA, 4/set
2056813-010	Electrode Adapter Set, 10/set
900178-001	CAM 14 ECG Connector Set, Banana, 10/set, AHA

ECG Adapters and Connectors (cont'd.)

Part Number	Description
900178-002	CAM 14 ECG Connector Set, Mactrode, 10/set, AHA
900178-003	CAM 14 ECG Connector Set, Grabber, 10/set, AHA
900178-101	CAM 14 ECG Connector Set, Banana, 10/set, IEC
900178-102	CAM 14 ECG Connector Set, Mactrode, 10/set, IEC
900178-103	CAM 14 ECG Connector Set, Grabber, 10/set, IEC

KISS Accessories

Part Number	Description
2024037-001	KISS ES600 Electrodes & Leadwires, Standard, 10/set, mixed lengths
2024039-001	KISS Upgrade Electrodes & Leadwires, NEHB, 2/set, 127 cm (50 in), Nst, Nax
21612113	Electrode Application System KISS 10 Lead without pump
21612202	Electrode Application System KISS 12 Lead without pump
21732801	Suction Electrode, KISS ES600
22341410	Trunk Cable, KISS, 12-L with Tube
22341415	Cable, KISS, 12-L
30344365	Leadwire, KISS, IEC, 127 cm (50 in), C1
30344366	Leadwire, KISS, IEC, 127 cm (50 in), C2
30344367	Leadwire, KISS, IEC, 127 cm (50 in), C3
30344368	Leadwire, KISS, IEC, 127 cm (50 in), C4
30344369	Leadwire, KISS, IEC, 127 cm (50 in), C5
30344370	Leadwire, KISS, IEC, 127 cm (50 in), C6
30344371	Leadwire, KISS, IEC, 147 cm (57 in), F
30344372	Leadwire, KISS, IEC, 147 cm (57 in), L
30344373	Leadwire, KISS, IEC, 147 cm (57 in), R
30344374	Leadwire, KISS, IEC, 147 cm (57 in), N
30344375	Leadwire, KISS, IEC, 127 cm (50 in), NST
30344376	Leadwire, KISS, IEC, 127 cm (50 in), NAX
30344377	Swivel Attachment Arm for Kiss
30344419	Extension tube for KISS ES600 Pump, 1.5m (5 ft)
30344420	Ergometer Mounting Arm, KISS
30344421	Leadwire Clip Adapter, KISS, for disposable electrodes
30344427	Blind Plug for KISS
30344434	Leadwire, KISS, AHA, 127 cm (50 in), V1
30344435	Leadwire, KISS, AHA, 127 cm (50 in), V2

KISS Accessories (cont'd.)

Part Number	Description
30344436	Leadwire, KISS, AHA, 127 cm (50 in), V3
30344437	Leadwire, KISS, AHA, 127 cm (50 in), V4
30344438	Leadwire, KISS, AHA, 127 cm (50 in), V5
30344439	Leadwire, KISS, AHA, 127 cm (50 in), V6
30344440	Leadwire, KISS, AHA, 147 cm (57 in), LL
30344441	Leadwire, KISS, AHA, 147 cm (57 in), LA
30344442	Leadwire, KISS, AHA, 147 cm (57 in), RA
30344443	Leadwire, KISS, AHA, 147 cm (57 in), RL
38401584	KISS Mounting Table Kit
38401590	KISS Leadwire Set, IEC, 10/set, mixed lengths
43252125	Suction Dome, KISS
93204775	KISS Electrode Filter Disc, 100/bag

Barcode Accessories

Part Number	Description
2035979-001	Barcode Scanner — English
2035979-002	Barcode Scanner — German
2035979-003	Barcode Scanner — French
2035979-004	Barcode Scanner — Spanish
2035979-005	Barcode Scanner — Swedish
2035979-006	Barcode Scanner — Italian
2035979-008	Barcode Scanner — Dutch
2035979-009	Barcode Scanner — Norwegian
2035979-010	Barcode Scanner — Danish
2035979-011	Barcode Scanner — Czech
2035979-014	Barcode Scanner — Hungarian
2035979-016	Barcode Scanner — Russian
2035979-017	Barcode Scanner — Slovene

Barcode Accessories (cont'd.)

Part Number	Description
2035979-018	Barcode Scanner — Portuguese
2035979-020	Barcode Scanner — Finnish

Storage Accessories

Part Number	Description
2073012-001	CARD SECURE DIGITAL - 4 GB

Power Cords

Part Number	Description
401855-001	EURO - PWR SPLY CRD RA CONT EURO 10A 250V 2.5M
401855-002	British - PWR SPLY CRD RA BRITSH 10A 250V 2.5M FSD
401855-003	Italian - PWR SPLY CRD RA ITALIAN 10A 250V 2.5M
401855-004	Israel - PWR SPLY CRD RA ISRAELI 10A 250V 2.5M
401855-110	Australia - PWR SPLY CRD RA AUSTRALIAN 10A 250V 2.5M
401855-018	China - PWR CRD ST CHINA RA PLUG 10A 250V 2.5M
401855-107	Swiss - PWR SPLY CRD ST SWISS 10A 250V 2.5M
401855-108	India - PWR SPLY CRD ST INDIAN 10A 250V 2.5M
405535-006	US - PWR SPLY CRD RA HOSP GRD 13A 125V 10 FT
405535-011	Japan - PWR SPLY CRD ST-RA PSE 10A 250V 10 FT
401855-041	Brazil - PWR SPLY CRD ST BRAZIL 10A 250V 2.5M

3

Maintenance

This chapter provides information about the maintenance of the accessories used with your system.

Cleaning and Disinfecting Leadwires and Reusable Electrodes

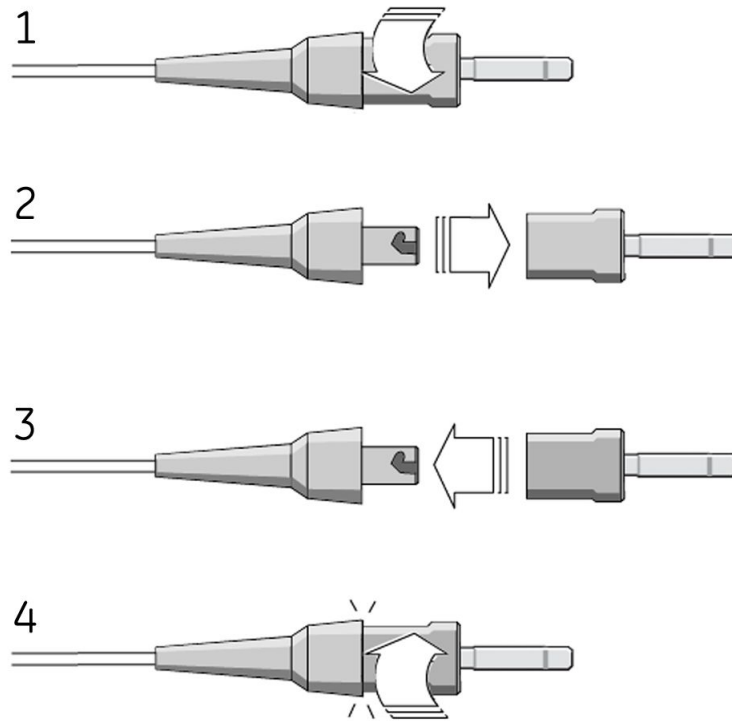
CAUTION:

IMPROPER FUNCTIONING — Carefully inspect instruments between uses to verify proper functioning.

Refer to the instructions for use that accompany the supplies and accessories for information on safety, cleaning, disinfection, and sterilization of reusable supplies and accessories.

Replacing Leadwire Adapters

Although proper cleaning and storage prolong the life of leadwires, you eventually need to replace the leadwire adapters. The following illustration shows the proper method for replacing adapters.



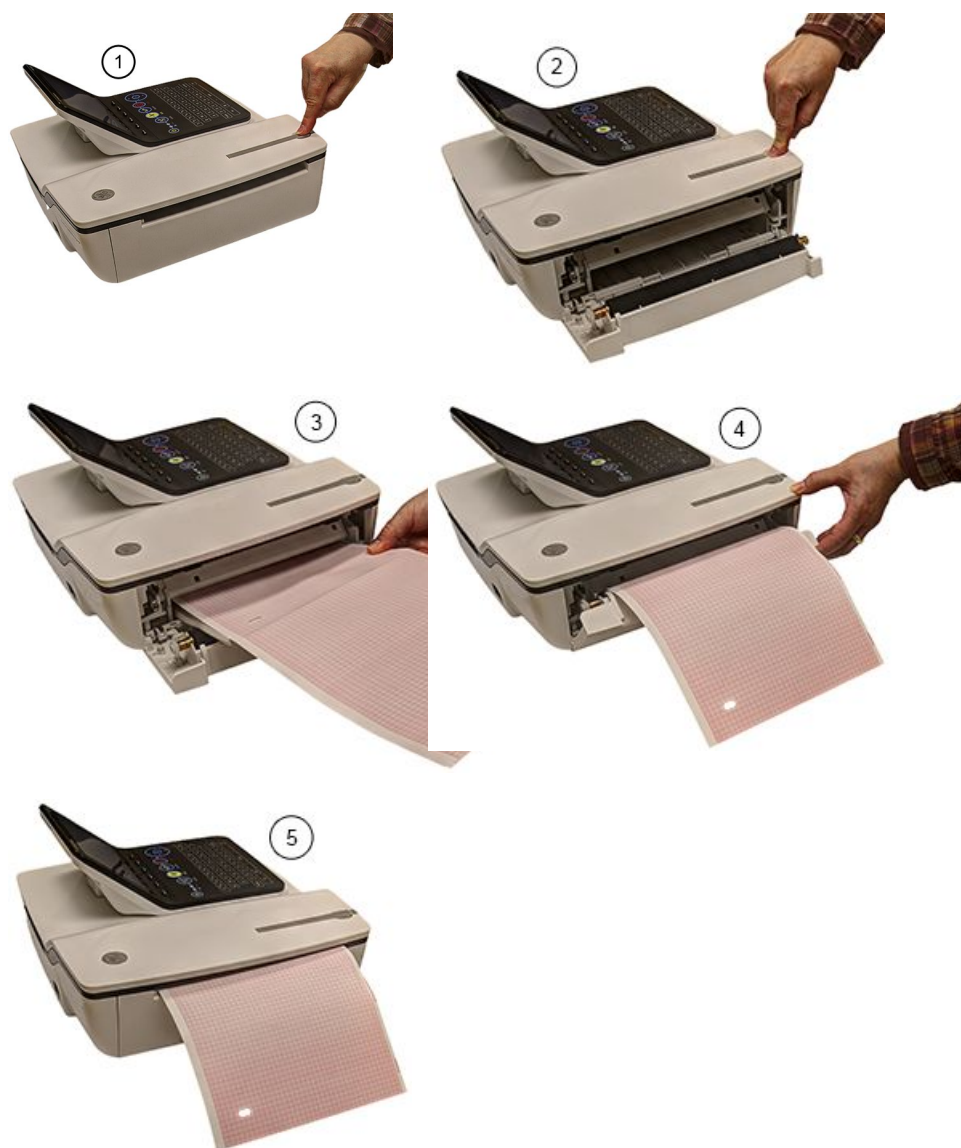
Paper Maintenance

For the proper handling of the device's thermal writer, you need to know how to do the following:

- Replace paper
- Store thermal paper

Replacing Paper

Use the following procedure to add or replace paper:



1. Press the push button on the top of the device (1) to open the printer door (2).
2. Extend the top sheet of the pack of paper and insert the pack into the paper compartment (3).
Align the top sheet of the paper to the line located on the near side of the printer door.
3. Close the printer door (4) until it clicks into place (5).

Storing Thermal Paper

Refer to the instructions for use that accompany the thermal paper for information on storing of the thermal paper.

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GE Medical Systems *Information Technologies*, Inc., a General Electric Company, going to market as GE Healthcare.

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