





E-PEX
USER MANUAL

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# 1. Scope of E-PEX

## 1.1 Parts Identification



- 1. Apex Locator(main unit)
- 2.Measuring Wire
- 3.File Clip
- 4.Lip Hook
- 5.Tester
- 6.Adapter

# 1. Scope of E-PEX

# 1.2 Components and Accessories

| Apex Locator (1pcs) | File clip (2pcs)      | Tester(1pcs)    |
|---------------------|-----------------------|-----------------|
|                     |                       |                 |
| Adapter (1pcs)      | Measuring Wire (1pcs) | Lip Hook (2pcs) |
|                     |                       |                 |

# 2. Symbols used in the User Manual

| WARNING            | If the instructions are not followed properly, operation may lead to hazards for the product or the user/patient. |  |
|--------------------|---|--|
| NOTE               | Additional information, explanation of operation and performance.   |  |
| SN                 | Serial number   |  |
| REF                | Catalogue number  |  |
| •••                | Manufacturer  |  |
| س                  | Date of manufacture   |  |
|                    | Class II equipment  |  |
| <b>†</b>           | Type B applied part   |  |
| <b>C €</b><br>0197 | CE marking  |  |
|                    | Direct current  |  |

# 2. Symbols used in the User Manual

| <u> </u>        | Dispose of in accordance with the WEEE directive                            |  |  |
|-----------------|---|--|--|
| *               | Keep dry  |  |  |
| <b>₿</b>        | Consult instructions for use  |  |  |
| 134°C           | Sterilizable in a steam sterilizer (autoclave) at the temperature specified |  |  |
| EC REP          | Authorized Representative in the European Community                         |  |  |
| -20°C           | Temperature limitation  |  |  |
| 20%             | Humidity limitation   |  |  |
| 106kPa<br>70kPa | Atmospheric pressure limitation   |  |  |
| Eighteeth       | Manufacturer's LOGO   |  |  |

## 3. Before Use

#### 3.1 Intended Use

This apex locator is used to detect the apex of root canal.

This device must only be used in hospital environments, clinics or dental offices by qualified dental personnel and not used in the oxygen-rich environment.

#### 3.2 Contraindications

Do not use this unit in conjunction with an electric scalpel or on patients who have a pacemaker.

Blocked canals cannot be accurately measured.



Read the following warnings before use:

- 1. The device must not be placed in humid surroundings or anywhere where it can come into contact with any type of liquids.
- 2. Do not expose the device to direct or indirect heat sources. The device must be operated and stored in a safe environment.
- 3. The device requires special precautions with regard to electromagnetic compatibility (EMC) and must be installed and operated in strict compliance with the EMC information. In particular, do not use the device in the vicinity of fluorescent lamps, radio transmitters, remote controls, portable or mobile RF communication devices and do not charge, operate or store at high temperatures. Comply with the specified operating and storage conditions.

#### 3 Before Use

- 4. Gloves and a rubber dam are compulsory during treatment.
- 5 、 If irregularities occur in the device during treatment, switch it off. Contact the agency.
- 6. Never open or repair the device yourself, otherwise, void the warranty.

# 4. Installing the E-PEX

#### 4.1 Install the E-PEX

Insert the measuring wire into the socket as shown in left picture, make sure connect properly.



Connect the file clip, measuring wire and lip hook as shown in the picture.





When installing the measuring wire, please pay attention to the orientation of the slots in the attachment part and do not apply too much force while adapting it. Incorrect connection will result in inaccurate measurement, even the device cannot be used.

#### 4.2 Connection Operation

Make sure E-CONNECT in standby. Open rubber cover, plug data transfer cable into E-CONNECT.



Turn on the E-PEX, and insert the other end of data transfer cable into F-PEX



After connect the cable, the screen of the E-CONNECT will display "CONNECTED!" indicating that the connection is properly.

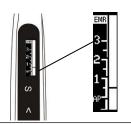
# CONNECTED!

E-PEX can only connect to E-CONNECT manufactured by Sifary. After connecting E-CONNECT and E-PEX, do the below steps to make sure the device is working normally.



#### 4. Installing the E-PEXg

- 1. Insert the file into the contra angle.
- 2. Make the file touch the lip hook (short circuit)
- Press the main switch of E-CONNECT. All the indicator bars in the screen will light up. That means the system is working normally.





After confirming the system can working normally, user can hang the lip hook into the patient's mouth, and start the treatment.



#### 4. Installing the E-PEXg

## 4.3 E-PEX Charging

When the power indicator flashes, please stop using the device and charge it immediately. We suggest the user to charge the device when there is only one bar left.



Connect the Apex Locator main unit with the power adapter.



When the power indicator is as shown below, it indicates that the device is in charging.





#### WARNING

Keep the device away from the heat source and make sure that there is no combustible surrounding.

When battery is low charge the device fully. Charging frequently in low power state for short time will reduce the battery life.

Do not use other power adapter to charge the device, otherwise it will damage the device.

Do not charge the device while using it. Do not use other battery for the device, otherwise it will damage the device.

# 5. Functions Setting

#### 5.1 **Function Checking**

1. Press the Power switch to turn the device on. The display will show measuring interface.

(The device will automatically shut down if it is not used for 10 minutes.)

2. Check that the measuring wire, file



clip, lip hook and APEX LOCATOR main unit are properly connected. Touch the metal part of the file clip with the lip hook (short circuit).

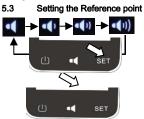


3. Observe the E-PEX display. All the meter indicator bars on the display will light up, and a rapid beep sound will be generated at the same time. The "APEX" sign will be flashed, which means that the F-PFX is working normally.



#### 5.2 Volume control

The E-PEX's volume of the key and alarm sounds can be adjusted. Press the volume keys to cycle the volume through the minor to the maximum.



Press SET switch to set the reference point (between 0~1).

Press SET to adjust reference point point will The be

autom cally saved.

# 6.Display

#### 6.1 Instruction

1. When the file reaches the front region of the apical foramen, the screen displays the white indicator bars (As shown in picture 1).



Pic 1

When the file reaches the position near by the apical foramen, the screen displays the green indicator bars (As shown in picture 2).



Pic. 2

3. When the red indicator bars light up, it means that the file has exceeded the apical foramen. A rapid beep sound will be generated at the same time (As shown in picture 3).



Pic.3



#### WARNING

Avoid using apex locator for working length determination in the following conditions:

- 1. Open apex cases.
- Draining canals.
- 3. Poor isolation from oral environment (avoid seepage of oral fluids into access cavity).
- Root fractures / perforation.
- Gutta percha filled canals:
- Please use the original accessories, otherwise the device may measure inaccurately or not even function.



#### NOTE

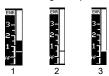
The green part "00" display means major apical foramen (not the minor apical foramen). Hence it is recommended to reduce the working lendth by 0.5-1 mm.

The device's screen does not show the actual length of the root canal, the number reducing only means a trend that file is progressing apically. The gingival crevicular fluid / saliva / gingival polyp will interfere with device functioning. Hence it is recommended to isolate the tooth. The accessories which contact with patient (file clip and lip hook) can be reused and should be sterilized by high temperature before first use and after each use

# 6.2 Display the root canal on

#### E-CONNECT

- 1. The white band on handpiece screen displays the progression of the file into the root canals.
- 2. The closer the file tip reaches the apical foramen, the more rapid the beep sound makes.
- 3. After connection, it will activate the advanced setting in chapter 9.5.



# **6.3** Combination Function Set "ON" to choose the combination

Set "ON" to choose the combination function.



The position of the reference point is automatically set with the E-PEX, and the cursor is displayed on the E-CONNECT screen.

When the file reaches the reference point, E-CONNECT will start Apical Reverse, Apical Slow Down and Apical Torque Reduction function (If the function is activated).



#### WARNING

Do not use a non - specified data transfer cable, otherwise it will damage the device.

Do not hit device and splash liquids.



#### NOTE

Make sure to connect the two devices with right position.

After connecting the two devices with the cable, gently push and pull the interface to ensure that the

connection is stable, otherwise the data transmission may not be accurate

In certain cases, for example when the canal is blocked, the

measurement may be unable. The device will not be able to perform a precise measurement for every time, especially in cases of abnormal or unusual morphology of the root canal. The user needs to coordinate with x-ray to check the results of the measurement

If the meter does not move when you insert the file, it is possible that the device is not working normally, therefore, stop using.

#### 7.1 Foreword

For hygiene and sanitary safety purpose, the components (file clip, lip hook) must be cleaned, disinfected and sterilized before each usage to prevent any contamination. This concerns the first use as well use the subsequent uses.

Comply with your national guidelines, standards and requirements for cleaning, disinfection and sterilization.

Reprocessing procedures have only limited implications to this dental instrument. The limitation of the numbers of reprocessing procedures is therefore determined by the function / wear of the device. From the processing side there is no maximum number of allowable reprocessing. The device should no longer be reused in case of signs of material degradation. In case of damage, the device should be reprocessed before sending back to the manufacturer for repair.

#### 7.2 General recommendations

- The user is responsible for the sterility of the product for the first cycle and each further usage as well as for the usage of damaged or dirty instruments, where applicable after sterility.
- For your own safety, please wear personal protective equipment (gloves, safety glasses, etc.).
- Use only a disinfecting solution which is approved for its efficacy (VAH/DGHM-listing, CE marking, and FDA approval) and in accordance with the DFU of the disinfecting solution manufacturer.
- The water quality has to be convenient to the local regulations especially for the last rinsing step or with a washer-disinfector.
- Autoclavable Components

  File clip Lip hook
- Thoroughly clean and wash the components before autoclaving.
- Do not use bleach or chloride disinfectant materials.



- Only the components above can be autoclaved.
- Before first use and after each use, sterilize the above components heat sources.

## Autoclave Procedure:

| Autociave i locedule.            |   |  |
|----------------------------------|---|--|
| Reprocessing Instructions        |   |  |
| Preparation at the Point of Use: | Disconnect the components (Lip hook and file clip) from the main unit. Remove gross contaminations from the components with code water (<40°C) immediately after use. Don't use a fixating detergent or hot water (>40°C) as this can cause the fixation of residuals which may influence the result of the reprocessing process.  Store the instruments in a humid surrounding.  WARNING  Do not submerge the components or wipe them with any of the following functional water (acidic electrolyzed water, strong alkaline solution, or ozone water), medical agents (glutaral, etc.), or any other special types of water or commercial cleaning liquids. Such liquids may result in metal corrosion and adhesion of the residual medical agents to the components. |  |
| Transportation:                  | Safe storage and transportation to the reprocessing area to avoid any damage and contamination to the environment.  |  |
| Preparation for Decontamination: | The devices must be reprocessed in a disassembled state.  **MARNING**  Do not fail to take out the file before cleaning the file clip.  Observe suitable personal protective measures.  |  |

| 7. Cleaning, Distribution and Sternization |   |  |  |
|--|---|--|--|
| Pre-Cleaning:                              | Do a manual pre-cleaning, until the components are visually clean. Submerge the components in a cleaning solution and flush the lumens with a water jet pistol with cold tap water for at least 10 seconds. Clean the surfaces with a soft bristol brush. |  |  |
| Cleaning:                                  |   |  |  |
|  | (>40°C) • emptying  The automated cleaning processes have been validated by using 0.5% neodisher MediClean forte  |  |  |
|  | (Dr. Weigert).  |  |  |

|  | Note Acc. to EN ISO 17664 no manual reprocessing methods are required for these devices. If a manual reprocessing method has to be used, please validate it prior to use.  |  |
|--|--|--|
|  | WARNING  |  |
|  | <ul> <li>Use only approved washer-disinfectors<br/>according to EN ISO 15883, maintain and<br/>calibrate it regularly.</li> </ul>  |  |
|  | <ul> <li>Follow instructions and observe<br/>concentrations given by the manufacturer (see<br/>general recommendations).</li> </ul>  |  |
| Disinfection:                          | Automated Thermal Disinfection in washer/disinfector under consideration of national requirements in regards to A0 value (see EN ISO 15883).  A disinfection cycle of 5 min disinfection at 93°C has been validated for the device to achieve an A0 value of 3000.  After manual cleaning, the instrument should be automated disinfected or sterilized immediately. A manual disinfection is not recommended. |  |
| Drying:                                | Automated Drying: Drying of outside of instrument through drying cycle of washer/disinfector. If needed, additional manual drying can be performed through lint free towel. Insufflate cavities of instruments by using sterile compressed air.  |  |
| Functional<br>Testing,<br>Maintenance: | Visual inspection for cleanliness of the components<br>and reassembling. Functional testing according to<br>instructions of use. If necessary, perform<br>reprocessing process again until the component is  |  |

| 7. Clearning, Distribution and Sternization |  |  |  |
|---|--|--|--|
|   | visibly clean.  Before packaging and autoclaving, make sure that the device has been maintained acc. to the manufacturer's instruction.  |  |  |
| Packaging:                                  | Pack the instruments in an appropriate packaging material for sterilization.  **WARNING**  Check the validity period of pouch given by the manufacturer to determine the shelf life.  Use pouches which resist to a temperature up to 141°C and in accordance with EN ISO 11607.   |  |  |
|   | Sterilization of instruments by applying a fractionated pre-vacuum steam sterilization process (according to EN 285/EN 13060/EN ISO 17665) under consideration of the respective country requirements.  Minimum requirements: 3 min at 134 °C (in EU: 5 min at 134 °C)  Maximum sterilization temperature: 137°C  Flash sterilization is not allowed on lumen instruments! |  |  |
| Sterilization                               | WARNING      Use only approved autoclave devices according to EN 13060 or EN 285.      Use a validated sterilization procedure according to EN ISO 17665.      Respect the maintenance procedure of the autoclave device given by the manufacturer.      Use only this recommended sterilization procedure.  |  |  |

|          | <ul> <li>Control the efficiency (packaging integrity, no humidity, color change of sterilization indicators, physicochemical integrators, digital records of cycles parameters).</li> <li>The sterilization procedure must comply with EN ISO 17665.</li> <li>Wait for cooling before touching.</li> </ul> |
|----------|--|
|          | Storage of sterilized instruments in a dry, clean and dust free environment at modest temperatures, refer to label and instructions for use.   |
| Storage: | WARNING  |
|          | Sterility cannot be guaranteed if packaging is open, damaged or wet.   |

Reprocessing validation study information:

integrity, no humidity and validity period).
The above-mentioned reprocessing process (cleaning, disinfection, sterilization) has been successfully validated. Refer to test reports:

Check the packaging before using (packaging

- Changzhou Sifary \_Cleaning Disinfection Validation Report
- Changzhou Sifary \_Sterilization Validation Report File clip

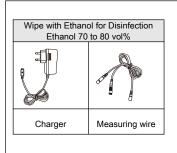


# WARNING

The instructions provided above have been validated by the manufacturer of the medical device as being capable of preparing a medical device for use. It remains the responsibility of the processor to ensure that the processing, as actually performed using equipment, materials and personnel in the processing facility, achieves the desired result. This requires verification and/or validation and routine monitoring of the process. Likewise, any deviation by the processor from the instructions provided should be properly evaluated for effectiveness and potential adverse

consequences.

#### 7.3 Disinfection



Wipe all the surfaces with a cloth lightly moistened with Ethanol for Disinfection (Ethanol 70 to 80vol%) at least 2 min, repeat for 5 times.



## NOTE

Do not use anything except Ethanol for Disinfection (Ethanol 70 to 80 vol%). Do not use too much ethanol as it's going into machine and damage the components inside.

# 8.Technical Data

| Manufacturer                     | Changzhou Sifary medical technology Co., Ltd   |  |
|----------------------------------|--|--|
| Model                            | E-PEX  |  |
| Dimensions                       | 13cm x 11cm x11cm±1cm (package)  |  |
| Weight                           | 560±10%  |  |
| Display                          | 3.5' color LCD   |  |
| Power supply                     | Lithium ion battery: 3.7V, 1500mAh   |  |
| Charger power supply             | AC100-240V   |  |
| Frequency                        | 50/60Hz  |  |
| Charger nominal power input      | 5.5VA  |  |
| Power Rating                     | 0.3 W  |  |
| Degree of Protection             | IPX 0  |  |
| Electrical safety class          | Class II   |  |
| Applied part                     | BF   |  |
| Ambient conditions               | Use: in enclosed spaces Ambient temperature: 10°C ~ 40 °C Relative humidity: <80%; non-condensing at 0° Operating altitude: < 3000 m above sea level |  |
| Transport and storage conditions | Ambient temperature: -20°C ~ +55°C Relative humidity: 20% ~ 80%, non-condensing at > 40 °C Atmospheric pressure: 50 kPa ~106 kPa                     |  |

## 9.EMC Tables

#### Guidance and manufacturer's declaration - electromagnetic emissions

The **E-PEX** is intended for use in the electromagnetic environment specified below. The customer or the user of the **E-PEX** should assure that it is used in such an environment.

| Emissions test  | Compliance | Electromagnetic environment - guidance  |
|---|------------|---|
| RF emissions<br>CISPR 11                                      | Group 1    | The <b>E-PEX</b> uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment.   |
| RF emissions<br>CISPR 11                                      | Class B    | The <b>E-PEX</b> is suitable for use in all establishments, including domestic establishments and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes. |
| Harmonic<br>emissions<br>IEC61000-3-2                         | Class A    |   |
| Voltage<br>fluctuations/flicker<br>emissions<br>IFC 61000-3-3 | Complies   |   |

# Guidance and manufacturer's declaration - electromagnetic immunity

The **E-PEX** is intended for use in the electromagnetic environment specified below. The customer or the user of the **E-PEX** should assure that it is used in such an environment.

| Immunity test | IEC 60601 test<br>level | Compliance<br>level | Electromagnetic<br>environment - guidance |
|---------------|-------------------------|---------------------|---|
|               | 10.00                   | 10.00               |   |

## 9. EMC Tables

| Electrostatic<br>discharge (ESD)<br>IEC 61000-4-2     | +/- 8 kV contact<br>+/- 2 kV, +/- 4<br>kV, +/- 8 kV, +/-<br>15 kV air    | +/- 8 kV contact<br>+/- 2 kV, +/- 4<br>kV, +/- 8 kV, +/-<br>15 kV air    | Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30 %. |
|---|--|--|--|
| Electrical fast<br>transients/bursts<br>IEC 61000-4-4 | ±2kV<br>100kHz<br>repetition<br>frequency                                | ±2kV<br>100kHz<br>repetition<br>frequency                                | Mains power quality should be that of a typical commercial or hospital environment.  |
| Surge<br>IEC 61000-4-5                                | Line to line:<br>±0.5kV, ±1kV<br>Line to earth:<br>±0.5kV, ±1kV,<br>±2kV | Line to line:<br>±0.5kV, ±1kV<br>Line to earth:<br>±0.5kV, ±1kV,<br>±2kV | Mains power quality<br>should be that of a typical<br>commercial or hospital<br>environment.   |

## 9. EMC Tables

| Voltage dips<br>IEC 61000-4-11                              | 0% UT; 0.5<br>cycle<br>at 0°, 45°, 90°,<br>135°, 180°,<br>225°, 270°, and<br>315°<br>0% UT; 1 cycle<br>and 70% UT;<br>25/30 cycles<br>sine phase at | 0% UT; 0.5<br>cycle<br>at 0°, 45°,90°,<br>135°, 180°,<br>225°, 270°, and<br>315°<br>0% UT; 1 cycle<br>and 70% UT;<br>25/30 cycles<br>sine phase at | Mains power quality should be that of a typical commercial or hospital environment. If the user of devices require continued operation during power mains interruptions, it is recommended that devices be powered form an uninterruptible power supply or a battery |
|---|---|--|--|
| Voltage<br>interruptions<br>IEC 61000-4-11                  | 0°<br>0% UT;<br>250/300 cycle   | 0°<br>0% UT;<br>250/300 cycle  |  |
| Rated Power<br>frequency<br>magnetic field IEC<br>61000-4-8 | 30 A/m<br>50Hz or 60Hz  | 30 A/m<br>50Hz or 60Hz   | Power frequency magnetic field should be at levels characteristic of a typical location in a typical commercial or hospital environment.   |

Note: UT: rated voltage(s); E.g. 25/30 cycles means 25 cycles at 50Hz or 30 cycles at 60Hz

#### 9 FMC Tables

## Guidance and manufacturer's declaration - electromagnetic immunity

The **E-PEX** is intended for use in the electromagnetic environment specified below. The customer or the user of the **E-PEX** should assure that it is used in such an environment.

| Immunity test   | IEC 60601 test<br>level  | Compliance<br>level | Electromagnetic<br>environment -<br>guidance  |
|---|--|---------------------|---|
| Conducted<br>dis-turbances<br>induced by RF fields<br>IEC 61000-4-6 | 3 V<br>0.15 MHz – 80<br>MHz, 6 V in ISM<br>bands be-tween<br>0.15 MHz and 80<br>MHz, 80 % AM at<br>1 kHz | 3 V                 | Portable and mobile RF communications equipment should be usedno closer to any part of the E-PEX, including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter. |
| Radiated RF EM<br>fields<br>IEC 61000-4-3                           | 3 V/m, 80 MHz –<br>2,7 GHz, 80 % AM<br>at 1 kHz  | 3V/m                | Recommended minimum separation distances See the RF wireless communication equipment table in "Recommended minimum separation distances"  |

#### 9 FMC Tables

| RF wireless v communication equipment e |  |  |
|---|--|--|
|---|--|--|

## Recommended minimum separation distances

Nowadays, many RF wireless equipment's have being used in various healthcare locations where medical equipment and/or systems are used. When they are used in close proximity to medical equipment and/or systems, the medical equipment and/or systems' basic safety and essential performance may be affected. The **E-PEX** has been tested with the immunity test level in the below table and meet the related requirements of IEC 60601-1-2:2014. The customer and/or user should help keep a minimum distance between RF wireless communications equipment and the **E-PEX** as recommended below.

| Test<br>frequency<br>(MHz) | Band<br>(MHz) | Service             | Modulation                            | Maximum<br>power<br>(W) | Distance<br>(m) | Immunity<br>test level<br>(V/m) |
|----------------------------|---------------|---------------------|---------------------------------------|-------------------------|-----------------|---------------------------------|
| 385                        | 380-390       | TETRA<br>400        | Pulse<br>modulation<br>18Hz           | 1.8                     | 0.3             | 27                              |
| 450                        | 430-470       | GMRS 460<br>FRS 460 | FM ± 5 kHz<br>deviation<br>1 kHz sine | 2                       | 0.3             | 28                              |
| 710                        |               |                     |                                       |                         |                 |                                 |
| 745                        | 704-787       | LTE Band<br>13, 17  | Pulse<br>modulation                   | 0.2                     | 0.3             | 9                               |
| 780                        |               | 13, 17              | 217Hz                                 |                         |                 |                                 |

## 9. EMC Tables

|      |               |  | J. LIVIO TADIO               |     |     |    |
|------|---------------|--|------------------------------|-----|-----|----|
| 810  |               | GSM<br>800/900,  |                              |     |     |    |
| 870  | 800-960       | TETRA<br>800, IDEN   | Pulse<br>modulation          | 2   | 0.3 | 28 |
| 930  |               | 820,CDMA<br>850, LTE<br>Band 5                                     | 18Hz                         |     |     |    |
| 1720 |               | GSM 1800;  |                              |     |     |    |
| 1845 |               | CDMA<br>1900;  | Pulse                        |     |     |    |
| 1970 | 1700-19<br>90 | GSM 1900;<br>DECT;<br>LTE Band<br>1, 3, 4, 25;<br>UMTS             | 2                            | 0.3 | 28  |    |
| 2450 | 2400-25<br>70 | Bluetooth,<br>WLAN,<br>802.11<br>b/g/n,RFID<br>2450, LTE<br>Band 7 | Pulse<br>modulation<br>217Hz | 2   | 0.3 | 28 |
| 5240 |               | WLAN   | Pulse                        |     |     |    |
| 5500 | 5100-58<br>00 | 802.11<br>a/n  | modulation<br>217Hz          | 0.2 | 0.3 | 9  |
| 5785 |               | arii   | 21/11/2                      |     |     |    |

#### 9 FMC Tables



 Use of accessories and cables other than those specified or provided by the manufacturer of E-PEX could result in increased electromagnetic emissions or decreased electromagnetic immunity of E-PEX and result in improper operation.

#### Cable information:

| Cable Name    | Cable Length (m) | Shielded or not | Remark |
|---------------|------------------|-----------------|--------|
| Adapter Cable | 1.2              | No              | 1      |

Use of E-PEX adjacent to or stacked with other equipment should be avoided because it could result in improper operation. If such use is necessary, E-PEX and the other equipment should be observed to verify that they are operating normally.

## 10.Statement

#### Service Life

The service life of E-PEX series products is 3 years.

#### Maintenance

MANUFACTURER will provide circuit diagrams, component part lists, descriptions, calibration instructions to assist to SERVICE PERSONNEL in parts repair.

#### Disposal

The package should be recycled. Metal parts of the device are disposed as scrap metal. Synthetic materials, electrical components, and printed circuit boards are disposed as electrical scrap. The lithium batteries are disposed as special refuse. Please deal with them according to the local environmental protection laws and regulation.

## Rights

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