

EPOCH 6LT

Ultrasonic Flaw Detector

Getting Started Guide

Intended Use

The EPOCH 6LT is designed to perform nondestructive inspections of industrial and commercial materials. Do not use the EPOCH 6LT for any purpose other than its intended use.

Instruction Manual

Before use, thoroughly review the EPOCH 6LT *User's Manual* (P/N: DMTA-10083-01EN). Use the product as instructed. The *User's Manual* contains essential information on how to use this Evident product safely and effectively. Keep the *User's Manual* in a safe, accessible location.

Safety Signal Words



DANGER

Indicates an imminently hazardous situation and calls attention to a procedure, practice, or the like, which, if not correctly performed or adhered to, will result in death or serious personal injury.



WARNING

Indicates a potentially hazardous situation and calls attention to a procedure, practice, or the like, which, if not correctly performed or adhered to, could result in death or serious personal injury.



CAUTION

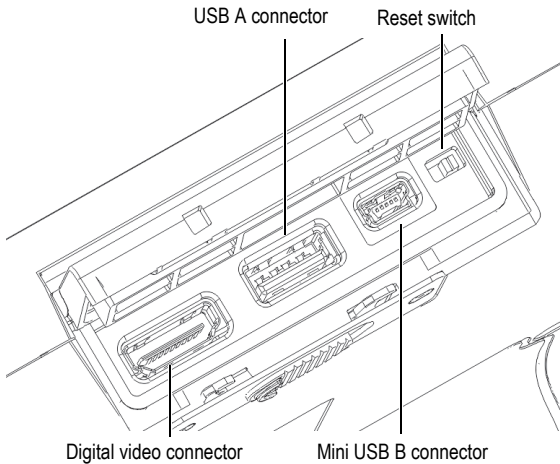
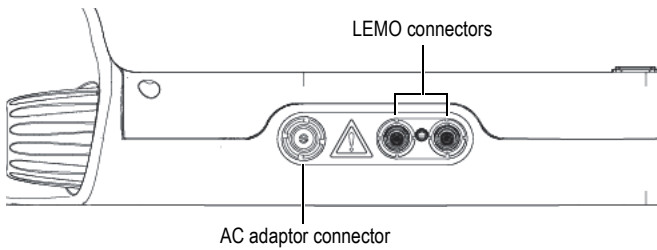
Indicates a potentially hazardous situation and calls attention to an operating procedure, practice, or the like, which, if not correctly performed or adhered to, may result in minor or moderate personal injury, material damage, particularly to the product, destruction of part or all of the product, or loss of data.

Contents of the Case

The EPOCH 6LT comes standard with several key accessories:

Factory part number	Item number	Description	Quantity
EP-MCA-x	N/A	AC charger/adaptor with power cord (varies by outlet configuration)	1
EPLTC-C-USB-A-6	U8840031	USB Cable, Mini A to Mini B	1
DMTA-10082-01EN	N/A	<i>EPOCH 6LT Ultrasonic Flaw Detector Getting Started Guide (EN)</i>	1
USBMAN-EP6LT	N/A	USB drive containing <i>EPOCH 6LT Ultrasonic Flaw Detector User's Manual</i>	1
HNDL-10018-0001	Q7790068	EPOCH 6LT Wrist Strap	1

Connections



AC Adaptor

An AC adaptor is provided with every instrument. This adaptor is used to power the EPOCH 6LT with or without a battery installed and charge the rechargeable lithium-ion battery while installed in the instrument.



CAUTION

The EPOCH 6LT AC adaptor (P/N: EP-MCA-x) is designed to power the EPOCH 6LT and charge the batteries only (P/N: BATT-10025-0024 [Q760001]). Do not attempt to power or charge other electronic equipment with the EP-MCA AC adaptor as doing so could create an explosion resulting in serious personal injury. The EP-MCA AC adaptor is intended for indoor use only.

Do not insert any other type of battery into the battery compartment or use any other type of AC adaptor. Doing so might cause an explosion or injury.



CAUTION

If an unauthorized power supply cord is used to power the instrument or charge the battery, Evident cannot guarantee the electrical safety of the equipment.

Charging the Lithium-Ion Battery

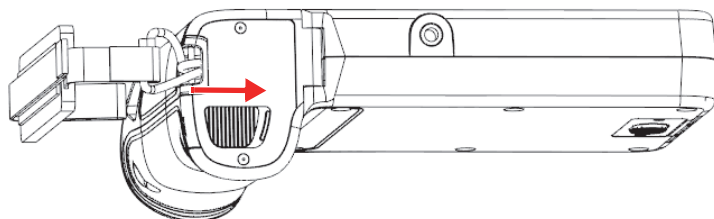
The EPOCH 6LT charges the internal battery while it is connected to the AC adaptor.

IMPORTANT

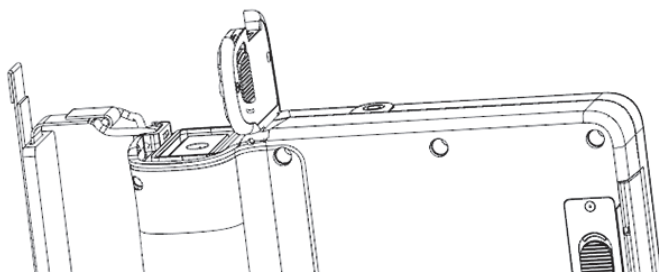
The battery is not fully charged when the EPOCH 6LT is shipped. You must charge the battery for two to three hours before using battery power to operate the instrument.

To Replace the Battery

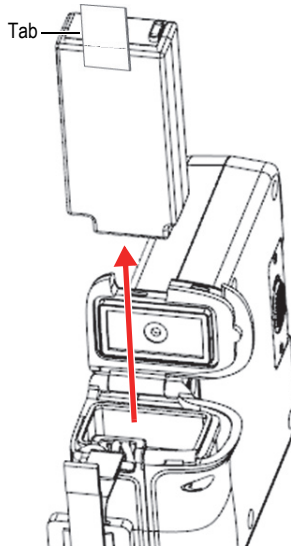
1. Turn off the EPOCH 6LT and disconnect the AC adaptor.
2. Hold the instrument so the battery compartment cover is facing up.
3. Press the battery compartment cover release button and slide it to the right.



4. Lift the cover to the fully open position.



5. Grasp the tab on the battery and pull it up to release and remove the battery.



6. Align the contacts of a fully charged replacement battery with the contacts inside the EPOCH 6LT battery compartment, and then insert the battery into the battery compartment. The battery compartment is keyed so that the battery can only be fully inserted if it is correctly inserted in the keyway.
7. Fold the battery tab away from the battery compartment cover seal before closing.
8. Close the battery compartment cover.
9. Press and slide the release button to the left to securely lock the cover.

Battery Precautions



CAUTION

- Before disposing of a battery, check your local laws, rules, and regulations, and follow them accordingly.
- Transportation of lithium-ion batteries is regulated by the United Nations under the United Nations Recommendations on the Transport of Dangerous Goods. It is expected that governments, intergovernmental organizations, and other international organizations shall conform to the principles laid down in these regulations, thus contributing to worldwide harmonization in this field. These international organizations include the International Civil Aviation organization (ICAO), the International Air Transport Association (IATA), the International Maritime Organization (IMO), the US Department of Transportation (USDOT), Transport Canada (TC), and others. Please contact the transporter and confirm current regulations before transportation of lithium-ion batteries.
- For California (USA) only:
The CR battery contains perchlorate material, and special handling may be required. Refer to <http://www.dtsc.ca.gov/hazardouswaste/perchlorate>.
- Do not open, crush, or perforate batteries; doing so could cause injury.
- Do not incinerate batteries. Keep batteries away from fire and other sources of extreme heat. Exposing batteries to extreme heat (over 80 °C) could result in an explosion or personal injury.

- Do not drop, hit, or otherwise abuse a battery, as doing so could expose the cell contents, which are corrosive and explosive.
- Do not short-circuit the battery terminals. A short circuit could cause injury and severe damage to a battery making it unusable.
- Do not expose a battery to moisture or rain; doing so could cause an electric shock.
- Only use the EPOCH 6LT or an external charger approved by Evident to charge the batteries.
- Only use batteries supplied by Evident.
- Do not store batteries that have less than 40 % remaining charge. Recharge batteries to between 40 % and 80 % capacity before storing them.
- During storage, keep the battery charge between 40 % and 80 %.
- Do not leave batteries in the EPOCH 6LT unit during instrument storage.

Electrical Warnings



WARNING

The instrument must only be connected to a power source corresponding to the type indicated on the rating label.



CAUTION

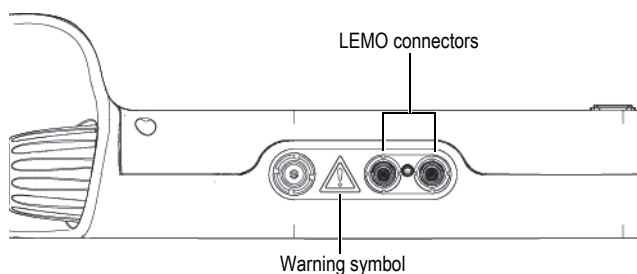
If an unauthorized power supply cord is used to power the instrument, Evident cannot guarantee the electrical safety of the equipment.



CAUTION



To avoid the risk of electric shock, do not touch the inner conductor of the LEMO connectors. Up to 400 V can be present on the inner conductor. The warning symbol between the LEMO connectors and AC adaptor connector shown in the figure below warns of this electric shock risk.



Equipment Disposal

Before disposing of the EPOCH 6LT, check your local laws, rules, and regulations, and follow them accordingly.

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