

TC120

Thermal Camera



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User Guide →



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1. Safety warnings

National Health and Safety Legislation requires users of this equipment and their employers to carry out valid risk assessments of all work to identify potential sources of danger and risk of injury. Warnings and precautions must be read and understood before an instrument is used. They must be observed during operation of the instrument. The following safety information must be observed to ensure maximum personal safety during the operation of this device. If the equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.

Handling

- Avoid knocking, throwing or vibrating the device or its accessories to prevent damage.
- Do not disassemble or modify the device. There are no user serviceable parts within.
- Refer all servicing to Megger.
- Do not expose the device to dust or moisture. Fit the lens cover when the device is not in use.
- Do not look into the laser beam or point beam to eyes.

Storage

- Place the device and all accessories in protective packing box when not in use.

Temperature:

- Do not use the device at operating temperatures or storage temperature that are outside the allowed range.
- Avoid direct exposure of the device to high-intensity thermal radiation sources such as the sun, lasers, or spot welders.

Environment:

- Do not expose the device to dusty or a wet environment.

Substances:

- Liquid Exposure: Do not spill liquids on the device or cables, as this can cause damage.
- The device is powered by a Lithium-ion battery; users must follow battery precautions:
- Charge the battery as specified in the user guide, following the proper steps and precautions. Improper charging may heat or damage the battery, or even cause injuries.

Device Cleaning:

- Non-optical Surface: Use a clean, soft cloth to wipe non-optical surfaces of the device as needed.
- Optical Surface: Avoid staining the lens and touching it with hands, as sweat can leave traces and corrode the optical coating. When the lens surface is stained, clean it with a special lens-wiping cloth.

Battery Replacement

- Refer battery servicing and replacement to Megger.

Temperature

- If the device operates for a long time, especially at high temperatures, the surface may become warm. Stop charging and move the device to a shaded area. Avoid prolonged contact with hot surfaces.

Charging

- When charging, use the adapter and cables provided by Megger.

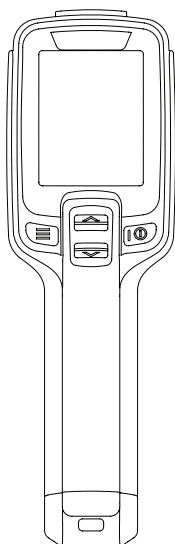
Battery level

- Charging time varies based on temperature and usage.
- The system will prompt you when the battery level is low and automatically shut off when too low.
- If the device does not respond when the power button is pressed, the battery may be depleted. Charge it with the charger provided for at least 10 minutes before attempting to turn it on again.

1.1 Safety symbols marked on the instrument

	Refer to user instructions		Equipment complies with current EU directives.
	Equipment protected throughout by Double Insulation		Indoor use only
	Warning: laser beam		Do not dispose of in landfill, sewage systems or by fire.
	Class 2 Laser Product. Do not look into the laser beam or point beam to eyes.		

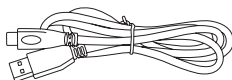
2. Package contents



Thermal camera
(including battery)



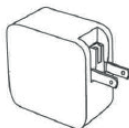
Quick Operation Guide



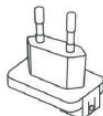
USB data cable



Wristband



US standard
adapter plug



EU standard
adapter plug

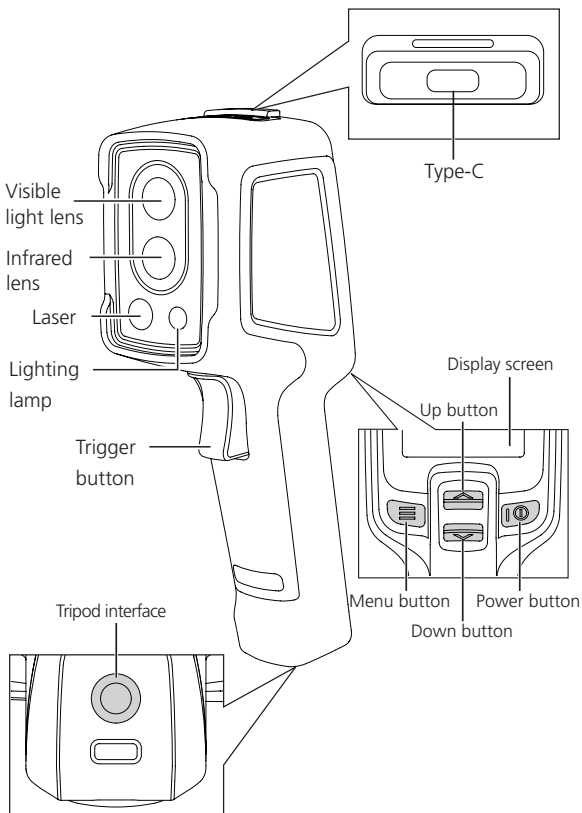


UK standard
adapter plug



Australian standard
adapter plug

3. Instrument overview



4. Basic Operation

Please follow the steps below:

4.1 Charging

Please use a 5V 1A or 5V 2A power adapter and USB cable to charge the device.

Use the USB cable in the accessories to connect the device to the computer for charging.

When charging, open the protective cover on the top of the device, connect one end of the data cable to the USB Type-C interface of the device, and connect the other end to the adapter or computer.

4.2 Power on

Press and hold the power button to power on the device.

4.3 Find the target

Align the thermal camera with the object concerned.

4.4 Capture the image

Click the trigger button to capture the image.

5. Warranty

New instruments are covered by a two year warranty from the date of purchase by the User, the second year being conditional on the free registration of the product on

www.megger.com/register. You will need to register and then login to complete the registration of your product. The second year warranty covers faults, but not recalibration of the instrument which is only warranted for one year. Any unauthorised prior repair or adjustment will automatically invalidate the warranty.

The battery is covered by a one year warranty from the date of purchase by the User.

Local Sales office

Megger Limited
Archcliffe Road
Dover
Kent
CT17 9EN
ENGLAND
T. +44 (0)1 304 502101
F. +44 (0)1 304 207342

Manufacturing sites

Megger Limited
Dover, ENGLAND
T. +44 (0)1 304 502101
E. uksales@megger.com

Megger AB
Danderyd, SWEDEN
T. +46 08 510 195 00
E. seinfo@megger.com

Megger USA - Dallas
Dallas, TX USA
T. +1 214 333 3201
E. USsales@megger.com

Megger GmbH
Aachen, GERMANY
T. +49 (0) 241 91380 500
E. info@megger.de

Megger Germany GmbH
Baunach, GERMANY
T. +49 (0) 9544 68 - 0
E. baunach@megger.com

Megger Germany GmbH
Radeburg, GERMANY
T. +49 (0) 35208 84-0
E. radeburg@megger.com

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