



testo 320 / testo 330 – flue gas analyzer

0633 3200 / 0633 3300

Manual for battery removal



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1 About this document

- The instruction manual is an integral part of the instrument.
- Please keep this documentation available for future reference.
- Always use the complete original instruction manual.
- Please read this instruction manual through carefully and familiarize yourself with the product before putting it to use.
- Hand this instruction manual on to any subsequent users of the product.
- Pay particular attention to the safety instructions and warning advice in order to prevent injury and damage to the product.

2 Safety and disposal

2.1 Security

General safety instructions

- Only operate the product properly, for its intended purpose, and within the parameters specified in the technical data.
- Do not apply any force.
- Do not operate the instrument if there are signs of damage to the housing or connected cables.
- Dangers may also arise from objects to be measured or the measuring environment. Always comply with the locally valid safety regulations when carrying out measurements.
- Do not store the product together with solvents.
- Do not use any desiccants.
- Only perform maintenance and repair work on this instrument that is described in this documentation. Follow the prescribed steps exactly when doing the work.
- Use only original spare parts from Testo.

Built-in batteries

DANGER

Risk of death!

The built-in battery can explode if it gets too hot.

- Do not expose the product to ambient temperatures above 70°C.
- Do not heat batteries above the permitted temperature or burn them. If a battery is heated, this may lead to the leakage of battery acid and/or to an explosion. Lithium batteries can, for instance, react very strongly in combination with fire. This may involve battery components being emitted with considerable power.
- Do not consume the battery; risk of burns due to hazardous substances. Keep new and used batteries away from children.
- Lithium batteries must be transported and shipped in accordance with the local and country-specific regulations.

Warnings

Always pay attention to any information denoted by the following warnings. Implement the precautionary measures specified!

DANGER

Risk of death!

WARNING

Indicates possible serious injury.

CAUTION

Indicates possible minor injury.

ATTENTION

Indicates possible damage to equipment.

2.2 Disposal

- Dispose of faulty rechargeable batteries and spent batteries in accordance with the valid legal specifications.
- At the end of its useful life, deliver the product to the separate collection point for electric and electronic devices (observe local regulations) or return the product to Testo for disposal.



WEEE Reg. No. DE 75334352

3 Remove the integrated battery



These instructions are intended exclusively for cases where the battery must be removed from a defective device or as part of proper disposal.



Testo strongly recommends that battery replacement be carried out exclusively by Testo Service. Only this ensures professional execution and restoration of the original protection class and operational safety of the device.

⚠ CAUTION

Any work carried out on an open device is done entirely at your own risk.

- **Damage resulting from improper handling during these activities is expressly excluded from the statutory warranty and any guarantee.**
- **This applies in particular to mechanical damage, malfunctions and loss of protection class (e.g. IP rating).**

Required Tools

- • Tweezers for disconnecting the battery connector
- • Torx screwdriver T10 for opening the housing screws

3.1 Opening the Device Back Panel

- 1 Place the instrument on its front so that the back is facing upwards.
- 2 Using a torx screwdriver (size T 10), remove all four housing screws on the bottom of the instrument.



- 3 Lift off the back of the instrument.

3.2 Internal structure

- 1 Once the device back panel has been removed, the battery (1) can be taken out.



3.3 Improving the access



1	Battery	3	Dilution pump (testo 330 only)
2	Condensate trap	4	Battery connector

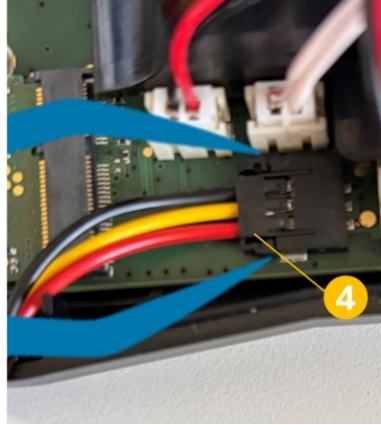
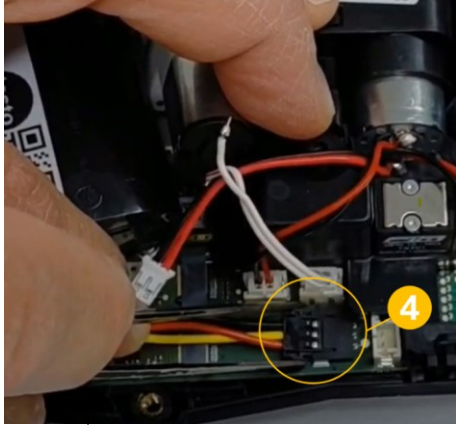
- 1** To gain better access to the battery connector, fold the battery (1) and the condensate trap (2) to the side.

Optionally, the dilution pump (3) can also be removed (fitted on the testo 330 only).

- This provides improved access to the battery connector (4).

3.4 Disconnecting the Battery Connector

- 1 Use tweezers to grip the battery connector (4) securely and pull it out.



- The battery can now be completely removed.

⚠ CAUTION

Batteries must be disposed of in accordance with local and national regulations.

- To prevent short circuits and associated heat generation, lithium batteries must never be stored unprotected in loose bulk.
- Suitable measures to prevent short circuits include placing the batteries in their original packaging or in a plastic bag, taping over the terminals, or embedding them in dry sand.

4 Support

You can find up-to-date information on products, downloads and links to contact addresses for support queries on the Testo website at: www.testo.com

If you have any questions please contact your local dealer or the Testo Customer Service. You can find contact details on the back of this document or online at: www.testo.com/service-contact



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