FOSS

User Instruction

Product: NIRS™ DS 2500 / DS 2500 F / DS2500 L

Subject: Lamp Replacement

1 Scope

This instruction is written to emphasize the importance of being careful when changing the lamp.

Use the lamp replacement section under Maintenance in the User Manual and pay extra attention to the following points:

Warning

The lamp can be very warm. Cotton gloves must be used when replacing the lamp to avoid burn injuries.
If the lamp has burned out it will still be dangerously hot for several minutes. During operation the lamp is >250 °C / 480 °F.

Caution

Do not touch the lamp glass or reflector or let any rough surface come into contact with the lamp glass. A microscopic scratch in the glass might cause a lamp explosion later.

Caution

The lamp can be damaged by fingerprints and oily residues. Cotton gloves must be used when replacing the lamp to avoid any damages.
You will find the lamp packaged together with a pair of cotton gloves for this reason.

ANALYTICS BEYOND MEASURE

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2 Information

The lamp is a consumable that needs to be replaced when it breaks. The instrument design with the lamp lid at the front makes it easy to access and replace the lamp and the required tools are delivered with the instrument.

Typically, the lamp is replaced by the local operator/user when required. For instruments covered by a Service contract, the lamp is normally also replaced annually as part of such preventive maintenance service.

The lifetime expectancy for the lamps is an average of 3500 hours meaning that some lamps will last longer while some burns out faster.

3500 hours equals approx. 4-6 months of operation for the most common scenarios (i.e. running the instrument 5-7 days/week).

3 Procedure

1. Switch off the instrument. Disconnect from mains.
2. Use the cotton cloves.
3. Open the front lid.

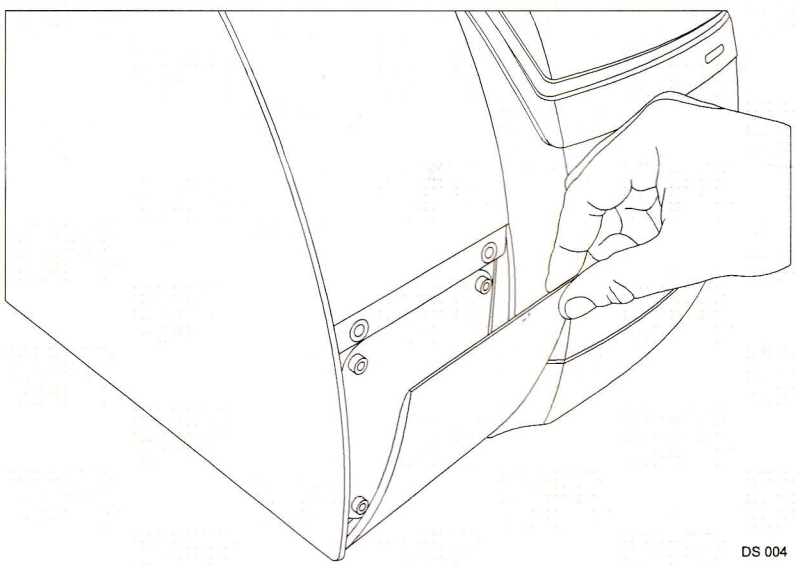

Fig. 1

4. Unscrew the four screws fastening the cover plate using the supplied 4 mm allen key.

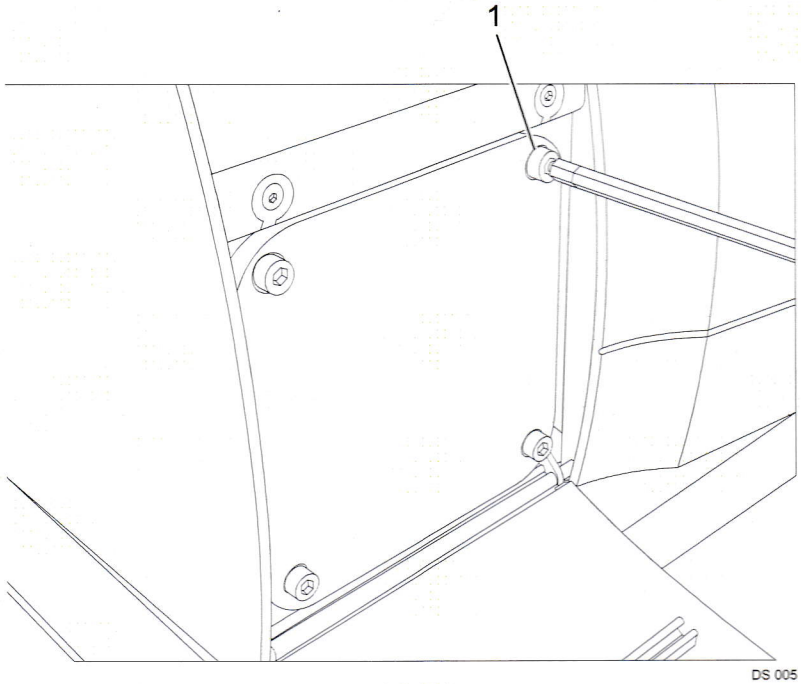

Fig. 2

5. Carefully press and turn the lamp assembly counter clockwise and loosen it from the instrument.

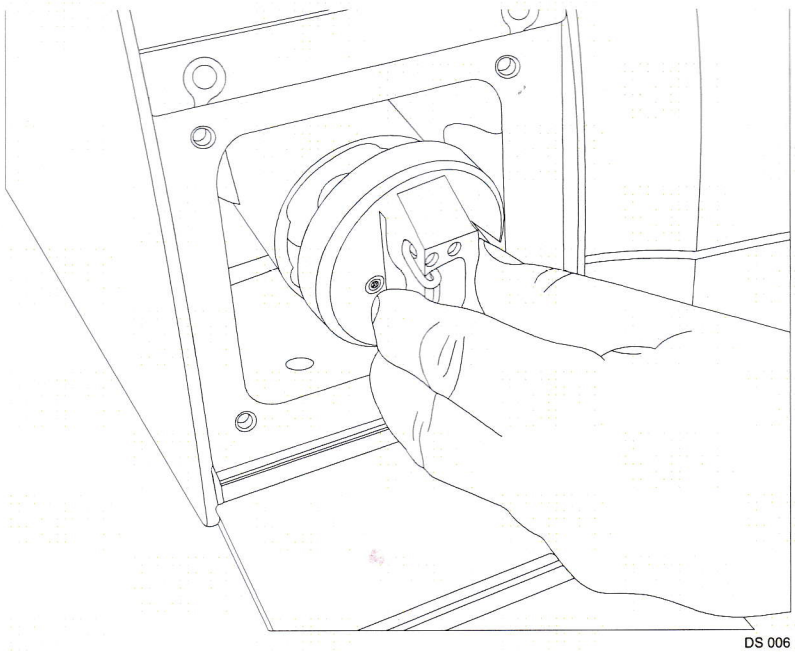

Fig. 3

6. Use the supplied flat bladed screwdriver in the accessory kit to loosen the two screws holding the lamp cables.

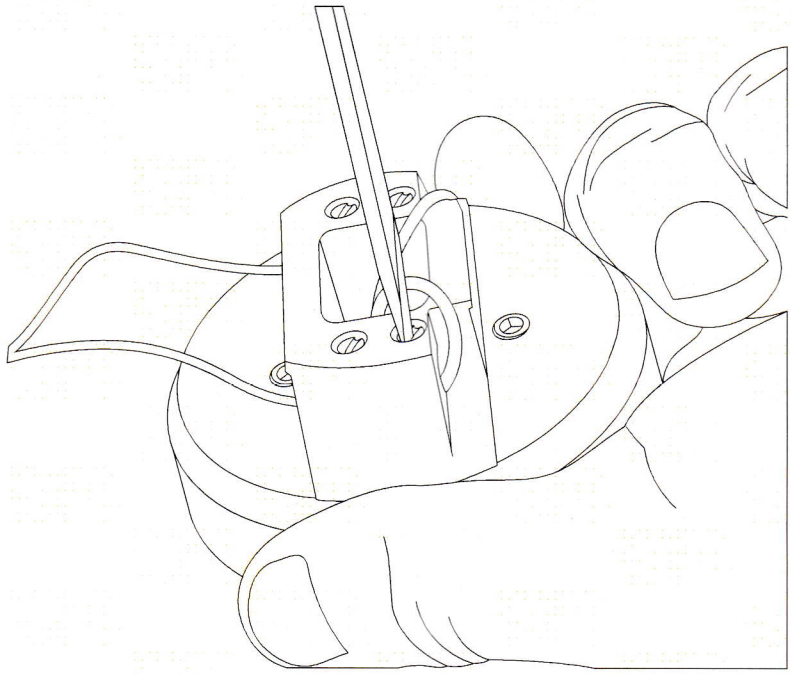

Fig. 4

7. Carefully unpack the new lamp and assemble in the reverse order. Make sure the lamp cable screws are tightened firmly.
8. Don't forget to put back the cover plate before you close the front lid. Without the cover plate, the instrument is not protected against dust and water and may not meet its specifications.
9. Apply power to the instrument a let it warm up for at least two hours.
10. Make an Instrument Calibration.
    - DS 2500 and DS2500 F:Make an Instrument Calibration using the Internal Wavelength filter and the External Reference Correction (ERC) tool.
    - DS 2500 L: Make an instrument calibration using internal filters.
11. Your instrument is now ready to be used for analysis again.

FOSS

User Instruction

Product: **Infratec™ NOVA**

Subject: **Lamp Replacement**

1 Scope

This instruction is written to emphasize the importance of being careful when changing the lamp.

Please consult the Intratec™ NOVA User Manual (6006 3838), section "Replacement of Lamp" on how to replace the lamp.

2 Information

The lamp is a consumable that needs to be replaced when it breaks. The instrument design makes it easy to access and replace the lamp and the required tools are delivered with the instrument.

Typically, the lamp is replaced by the local operator/user when required. For instruments covered by a Service contract, the lamp is normally also replaced annually as part of such preventive maintenance service.

The lifetime expectancy for the lamps is an average of 3500 hours, meaning that some lamps will last longer while some burn out faster. 3500 hours equals approx. 4-6 months of operation for the most common scenarios (i.e. running the instrument 5-7 days/week).

Warning

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