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Technical Precision CE 2501 DEUTERIUM LAMP

User Manual

REPLACEMENT FOR CECIL INSTRUMENTS CE 2501 DEUTERIUM LAMP LIGHT BULB

Manufactured by Technical Precision

Product Overview

This document provides essential information for the safe and effective use of the Technical Precision Replacement for CECIL Instruments CE 2501 DEUTERIUM LAMP Light Bulb. This bulb is designed as a direct replacement for the original CECIL Instruments CE 2501 DEUTERIUM LAMP.



Image: The Technical Precision Replacement Deuterium Lamp, showing its tubular shape, clear casing, and attached electrical wires (red and blue) with connectors.

Safety Precautions

- Always disconnect power to the instrument before attempting installation or removal of the lamp.
- Allow the lamp to cool completely before handling. Hot lamps can cause severe burns.
- Handle the lamp by its base or wires; avoid touching the glass envelope directly, as oils from skin can reduce lamp life.
- Wear appropriate personal protective equipment (PPE), such as gloves and eye protection, during installation.

- Dispose of old lamps according to local regulations for electronic waste.

Setup and Installation

1. Ensure the CECIL Instruments CE 2501 device is powered off and unplugged from its power source.
2. Locate the lamp housing within the instrument. Refer to your instrument's specific service manual for precise location and access instructions.
3. Carefully remove the old deuterium lamp. Note the orientation and connection of the wires.
4. Unpack the new Technical Precision replacement lamp. Handle it by the base or wires to avoid touching the glass.
5. Connect the wires of the new lamp to the corresponding terminals in the instrument. Ensure correct polarity if indicated.
6. Gently insert the new lamp into its housing, ensuring it is seated securely. Do not force the lamp into place.
7. Close the lamp housing and reassemble any covers or panels removed during the process.
8. Reconnect the instrument to its power source.

Operating Instructions

Once the lamp is installed, the instrument can be powered on. The deuterium lamp typically requires a warm-up period to stabilize its light output. Refer to your CECIL Instruments CE 2501 user manual for specific warm-up times and calibration procedures.

- Power on the CECIL Instruments CE 2501 device.
- Allow the instrument to complete its self-test and lamp warm-up cycle. This may take several minutes.
- Perform any necessary lamp alignment or calibration procedures as outlined in your instrument's manual to ensure optimal performance.
- Monitor lamp intensity and stability as part of routine instrument checks.

Maintenance

The Technical Precision replacement lamp is designed for long life and stable performance. Regular maintenance primarily involves monitoring its output and replacing it when its intensity diminishes or it fails to ignite.

- **Lamp Life Monitoring:** Keep a record of the lamp's operating hours. Deuterium lamps have a finite lifespan, and performance degrades over time.
- **Cleaning:** The lamp itself generally does not require cleaning. If the glass envelope appears smudged, gently wipe it with a lint-free cloth and isopropyl alcohol, ensuring no residue remains. Always ensure the lamp is cool and power is disconnected before cleaning.
- **Storage:** Store spare lamps in their original packaging in a cool, dry place away from direct sunlight and extreme temperatures.

Troubleshooting

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Lamp does not ignite.	Power not connected. Lamp not seated correctly. Faulty lamp. Instrument fault.	Check power connection to instrument. Verify lamp is securely installed and wires are connected. Replace lamp with a known good one. Consult instrument service manual or contact instrument manufacturer.
Low or unstable light output.	Lamp nearing end of life. Lamp not warmed up. Alignment issue.	Replace lamp. Allow sufficient warm-up time. Perform lamp alignment as per instrument manual.

Note: For complex issues or instrument-specific problems, always refer to the original CECIL Instruments CE 2501 service manual or contact a qualified service technician.

Specifications

Attribute	Value
Brand	Technical Precision
Model Number	CE 2501 DEUTERIUM LAMP
Wattage	16 watts
Unit Count	1.0 Count
Number of Items	1
Shape	Tubular(T)
Material	copper
Connectivity Technology	Normal bulb
Manufacturer	Technical Precision
ASIN	B01MDLM003
Date First Available	October 12, 2016

Warranty and Support

For specific warranty information regarding this Technical Precision replacement lamp, please refer to the documentation provided with your purchase or contact Technical Precision directly. As this is a replacement part, its warranty may differ from the original instrument's warranty.

For technical support or inquiries, please contact Technical Precision through their official channels. You can often find contact information on their official website or through the retailer where the product was purchased.

Manufacturer: Technical Precision



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