



LINE FREQUENCY MONITOR LFMXX MANUAL

Operating Manual

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ELECTRO-MED

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1 OVERVIEW



2 OPERATING PROCEDURE

1. Power On
 - Plug the device directly into a standard mains power outlet (180-260 VAC).
 - The device will automatically power on and begin measuring the mains frequency.
2. Operation
 - The device will display the frequency of the input mains voltage.
 - For the LFMxx-4D model, the frequency is displayed with a precision of 2 decimal places (50.00 Hz).
 - For the LFMxx-5D model, the frequency is displayed with a precision of 3 decimal places (50.000 Hz)
3. No Configuration Needed
 - This device operates automatically with no user configuration required.

3 TROUBLESHOOTING GUIDE

#	Issue	Possible Cause	Solution
1	No display or power	Power outlet is not supplying voltage.	Check and ensure that the mains outlet is functional.
2	Inaccurate frequency readings	Electrical noise or unstable mains supply.	Verify the mains supply and ensure proper earthing.
3	Display flickering	Loose connection in the mains plug.	Ensure the plug is securely connected.
4	Device does not power on	Internal hardware fault	Contact customer support for assistance.

4 GENERAL GUIDELINES

4.1 PRECAUTIONS

1. Ensure the device is plugged into a properly grounded outlet.
2. Avoid using the device in environments with excessive electrical noise.
3. Do not expose the device to water, dust, or other contaminants.
4. Always unplug the device before cleaning or inspecting it.

4.2 SAFETY INSTRUCTIONS

1. Use the device only within the specified voltage range (180-260V AC).
2. Keep the device away from flammable materials.
3. Do not attempt to disassemble or repair the device yourself.
4. Handle the device with dry hands to avoid electric shock.

4.3 POWER REQUIREMENTS

- Voltage: 180-260V AC, 50Hz
- Power Consumption: 10W max

4.4 ENVIRONMENTAL CONDITIONS

- Operating Temperature: 0°C to 50°C
- Storage Temperature: -10°C to 60°C
- Humidity: 10% to 90% non-condensing
- Installation Location: Dry and dust-free area (Preferred)

4.5 MAINTENANCE

1. Periodically inspect the device for physical damage or wear.
2. Clean the device with a soft, dry cloth. Avoid using cleaning agents or solvents.
3. Do not attempt recalibration; the device is factory-calibrated and does not require adjustment. Regular visual inspections for signs of damage or wear.

5 WARRANTY AND SUPPORT

- For support, mail us at support@electromed.co.in or visit us at <https://electromed.co.in>