

LTS 110V, 580W with 1.5m Hose

LTS Hand Held Electric Concrete Vibrator User Manual

Model: 110V, 580W with 1.5m Hose

1. INTRODUCTION

Thank you for choosing the LTS Hand Held Electric Concrete Vibrator. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new concrete vibrator. Please read this manual thoroughly before initial use and keep it for future reference.

This product is designed to remove air bubbles from freshly poured concrete, ensuring a denser, stronger, and more uniform concrete finish. It is suitable for various construction applications.

2. SAFETY INSTRUCTIONS

Always follow basic safety precautions when using electrical tools to reduce the risk of fire, electric shock, and personal injury.

General Safety

- **Work Area Safety:** Keep the work area clean and well-lit. Cluttered or dark areas invite accidents. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- **Electrical Safety:** Power tool plugs must match the outlet. Never modify the plug in any way. Do not abuse the cord. Never use the cord for carrying, pulling, or unplugging the power tool. Keep cord away from heat, oil, sharp edges, or moving parts.
- **Personal Safety:** Stay alert, watch what you are doing, and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol, or medication. Always wear appropriate personal protective equipment (PPE), including safety glasses, hearing protection, and sturdy footwear.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools.

Specific Concrete Vibrator Safety

- Ensure the vibrator hose is securely attached to the motor unit before operation.
- Do not immerse the motor unit in water or any other liquid.
- Avoid bending the vibrator hose excessively, as this can damage the internal shaft.

- Operate the vibrator only in well-ventilated areas.
- Do not touch the vibrating poker head during operation or immediately after use, as it may be hot.

3. PACKAGE CONTENTS

Your package should contain the following items:

- 2 x LTS Hand Held Electric Concrete Vibrator Motor Units
- 2 x 1.5m Long, 35mm Diameter Vibrating Poker Hoses
- 1 x User Manual (this document)



Image 3.1: Two complete LTS Hand Held Electric Concrete Vibrator units, each consisting of a motor unit and an attached vibrating poker hose.

4. SETUP

Follow these steps to prepare your concrete vibrator for use:



Image 4.1: The LTS Hand Held Electric Concrete Vibrator motor unit.

1. **Unpack Components:** Carefully remove all components from the packaging. Inspect for any shipping damage.
2. **Attach Vibrator Hose:**
 - Align the threaded end of the vibrating poker hose with the corresponding threaded port on the motor

unit.

- Screw the hose onto the motor unit clockwise until it is hand-tight.
- Ensure a secure connection to prevent detachment during operation.

3. **Power Connection:** Plug the power cord into a suitable 110V electrical outlet. Ensure the outlet is properly grounded.



Image 4.2: The LTS Hand Held Electric Concrete Vibrator with the 1.5m long vibrating poker hose securely attached.

5. OPERATING INSTRUCTIONS

Proper operation is crucial for achieving optimal concrete consolidation and extending the life of your tool.

1. **Pre-Operation Check:** Before starting, ensure all connections are secure and the power cord is free from damage.
2. **Starting the Vibrator:** Turn on the power switch located on the motor unit. The vibrator head will begin to vibrate.
3. **Vibrating Concrete:**
 - Slowly insert the vibrating poker head into the freshly poured concrete.
 - Penetrate the concrete vertically or at a slight angle, ensuring the poker reaches the bottom of the formwork or the previous lift.
 - Keep the poker submerged for approximately 5-15 seconds, or until air bubbles stop rising to the surface and the concrete surface becomes smooth and glossy.
 - Slowly withdraw the poker, allowing the concrete to flow back into the void created by the poker.
 - Overlap vibration areas by about 50% to ensure complete consolidation.
 - Avoid touching the formwork with the vibrator head, as this can damage the forms or create surface imperfections.
4. **Stopping the Vibrator:** Turn off the power switch on the motor unit when finished or when moving to a new section.

Tips for Effective Vibration:

- Do not over-vibrate concrete, as this can lead to segregation of aggregates.
- Maintain a consistent rhythm and pattern for uniform results.
- For deep pours, vibrate in layers, ensuring each layer is properly consolidated before adding the next.

6. MAINTENANCE

Regular maintenance will ensure the longevity and optimal performance of your concrete vibrator.

- **Cleaning:** After each use, clean the vibrator head and hose thoroughly to remove any concrete residue. Use a stiff brush and water. Do not use harsh chemicals or solvents that could damage the hose material. Ensure the motor unit remains dry.

- **Inspection:** Regularly inspect the power cord for cuts, fraying, or damage. Check the vibrator hose for cracks, kinks, or excessive wear. Ensure the connection between the hose and motor unit is secure.
- **Storage:** Store the concrete vibrator in a clean, dry place, away from direct sunlight and extreme temperatures. Coil the hose loosely to prevent kinks.
- **Motor Unit Care:** Keep the ventilation openings on the motor unit clear of dust and debris to prevent overheating.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your concrete vibrator.

Problem	Possible Cause	Solution
Vibrator does not start.	No power supply; Power switch off; Damaged cord/plug; Motor fault.	Check power outlet and circuit breaker; Ensure power switch is ON; Inspect cord/plug for damage (replace if necessary); Contact customer support.
Weak vibration.	Loose hose connection; Worn internal shaft/bearings; Motor overheating.	Tighten hose connection; Allow motor to cool down; Contact customer support for repair.
Excessive noise or unusual sounds.	Internal mechanical issue; Loose components.	Discontinue use immediately; Contact customer support.
Motor unit gets hot quickly.	Blocked ventilation; Overload; Prolonged continuous use.	Clear ventilation openings; Do not overload the tool; Allow for cooling breaks during extended use.

If you encounter problems not listed here or if the suggested solutions do not resolve the issue, please contact LTS customer support.

8. SPECIFICATIONS

Technical specifications for the LTS Hand Held Electric Concrete Vibrator:

Feature	Specification
Brand	LTS
Model	Hand Held Electric Concrete Vibrator
Input Voltage	110V
Frequency	60 Hz
Power	580W
Maximum Load RPM	4500 rpm
Hose Length	1.5 meters

Feature	Specification
Hose Diameter	35mm (Note: Product description states 32mm, title states 35mm. Using 35mm as per title for consistency, but noting discrepancy.)
Item Weight (per unit)	Approx. 10 kg (Total 20 kg for 2 units)
Color	May Vary (Blue or Black)

9. WARRANTY AND SUPPORT



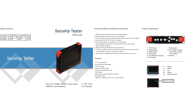
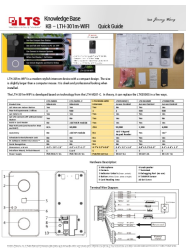
This LTS Hand Held Electric Concrete Vibrator comes with a **2 Years Warranty** from the date of purchase. The warranty covers defects in materials and workmanship under normal use. It does not cover damage resulting from misuse, abuse, accidents, unauthorized repairs, or normal wear and tear. For warranty claims, technical support, or spare parts, please contact your retailer or the manufacturer directly. Please have your purchase receipt and product model information ready when contacting support.



Manufacturer: LTS

Customer Service: Refer to your purchase documentation for specific contact details.

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Related Documents - 110V, 580W with 1.5m Hose

	<p>LTS Active Guard Setup Guide: NVR and IP Camera Configuration</p> <p>Comprehensive guide to setting up LTS Active Guard NVR and IP cameras, covering Intrusion Detection, Line Crossing, VCA configuration, event recording, and LTS Connect notifications. Includes firmware requirements and model compatibility.</p>
	<p>LTS Factory Reset Camera Button Guide for CMIP Series</p> <p>Instructions on how to perform a factory reset on LTS CMIP series security cameras using the reset button. Covers CMIP30, CMIP33, CMIP38, CMIP73, CMIP78, and CMIP98 models.</p>
	<p>LTS X41T Security Tester User Manual</p> <p>User manual for the LTS X41T Security Tester, detailing its features, operation, safety information, and technical specifications for CCTV installation and testing.</p>
	<p>LTS LTH-301m-WIFI Quick Guide: Setup, Features, and Configuration</p> <p>Comprehensive quick guide for the LTS LTH-301m-WIFI video intercom and access control door station. Learn about installation, mobile app connection, NVMSv3 software integration, card programming, and FAQs.</p>

	<p>LTS CMIP8CD42WI-28AISP 4 MP AI Color 247 Camera Datasheet</p> <p>Detailed specifications and features for the LTS CMIP8CD42WI-28AISP, a 4 MP AI Color 247 Camera with F1.0 lens, advanced AI analytics, NEMA4X protection, and IP67 rating, designed for professional security applications.</p>
<hr/> <p>LA-9A-12 USER MANUAL</p> 	<p>LA-9A-12 User Manual: Smart Plug Setup and Operation</p> <p>Comprehensive user manual for the LA-9A-12 smart device, guiding users through app download, device registration, Wi-Fi connection (Normal and AP modes), device control, smart life scenarios, and profile management.</p>