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PULIHUA PLH-VM3

Dental Implant System

Surgical Brushless Motor User Manual



1. Basic Information

This manual is for PLH-VM3 dental implant motor, a Class II, Type B applied part for oral implant surgery.

Foot Control: IPX6 waterproof

Main Unit: IPX1 waterproof

2. Safety Instructions

Use only by specially trained implant dentists for patients aged 18–70.

Do not modify the device without manufacturer approval; avoid electromagnetic interference.

Continuous motor operation ⩽ 30 seconds to prevent overheating.

Do not use with flammable anesthetic gases; not for patients with pacemakers, systemic diseases, poor bone quality, or anticoagulant/chemotherapy/radiotherapy treatment.

Control Unit and Foot Control cannot be sterilized; clean with damp cloth and after power off.

3. Package Contents

Control Unit (1pc)

Foot Control (1pc)

Power Cord (1pc)

Motor Handle with Cable (1pc)

Bottle Hanger Post (1pc)

Silicon Rubber Stand (1pc)

Irrigation Tube (2 packs)

4. Functions & Parameters

Control panel: adjust speed, torque, water flow, ratio; forward/reverse; calibration; mode switch.

8 preset programs: Positioning, Drilling, Broadening, Tapping, Implanting, Abutment, Cleaning, Customized.

Default ratio: 20:1

Speed range: 5–20000 rpm

Torque range: 5–60 Ncm

Water flow: 0–140 mL/min

5. Error Codes

E3: Motor not calibrated

Motor overheating

E6: System error

Solution: Turn off power, check, then restart.

6. Installation Steps

Connect foot pedal to the socket.

Install bottle hanger and hang saline bottle.

Connect power cord and motor handle.

Install irrigation tube properly.

7.Cleaning & Maintenance

Control Unit & Foot Control: Wipe with damp cloth + (no sterilization).

Motor Handle: Clean and disinfect with medical before/after use.

Storage: Cool, dry, ventilated place; −10–50°C, 10–85%RH; avoid toxic/corrosive/flammable items.

Service life: 5 years.

Long-term storage: Power on for 5 minutes monthly.

8.Specifications

Power: AC 100–240V 50/60Hz, DC 36V 3A

Dimensions: 310×227×179 mm

Weight: 3.3 kg

Foot control cord length: 1.8 m

Strumentidentali.it Contact Information

Email: strumentidentali.it@gmail.com

Url: https://www.strumentidentali.it