PLASMASTAR

Plasma Xenon Arc Curing Light System

SP-2000

- A New Technological Breakthrough with Style!
- A Powerful Innovation with a Modern Edge for Today's Best Quality Professionals!

- Digital Functionality Control.
- Supreme world-class Craftsmanship.
- High-Energy Efficiency. A time Saver.
- Great Durability with avant-garde design.

Product Features

(1)The *PlasmaStar* can produce high-energy plasma arc within spectrum range of 430NM to 470NM giving the most efficient, yet safely high working power on the patients.

(2)Innovative condensing-spotlight device effectively aggregates light sources creating output beam at over 1800 mW/cm², yet leaving out unnecessary infrared and radiant sources to prevent overheat.

(3)Original fabrication with authentic Euro-American internal and peripheral components by certified world-class craftsmanship and strict quality control; all under a 3-year warranty.

(4)Built-in precision memory device individualizes the suitable operational specifications for different filling and bonding materials. No resetting necessary for each work session.

(5) Intelligent LCD backlight design on the control panel provides much clearer readability, allowing accurate adjustments.

(6) Internal spring-switch devising on the hand-piece gives maximum functionality control without conventional foot pedal.

INSTRUCTION FOR USE

1.SYMBOL

TIME SET: It is used to select a cycle of 1, 3, 6,or 10 seconds of curing mode, by depressing the button. The selected cycle will be shown on the LCD display.

LIGHT INTENSITY: Select light intensity of 50, 80, 100% at normal mode.

MODE SETTING: There are normal mode (NM), ramp curing (RA), 2 Step Curing (SC) and bleaching (BA).

—NM (normal mode): Fixed power at preset intensity at preset duration.

—RA (ramp curing): Start at half power then gradually reaches full power for a 6 second duration at the end.

—SC (2 step curing): 3 seconds half power followed by 3 seconds full power.

—BL (Bleaching): 3 seconds full power.

OFF

ON

ALTERNATING CURRENT

2.SPECIFICATIONS AND EQUIPMENT CLASS

This curing light has been manufactured with respect to electric shock, fire and mechanical hazards only in accordance with UL 2601-1 / can / csa C22.3 no.601-1.

AC supplies connection: 100 to 240 Volts AC (50/60 Hz)

a. Power input: Max. 180 watt

b. Equipment class: Class II (IEC601-1)

c. Protection Against Electric Shock: Type BF (IEC601-1)

d. Protection Against Entry of Liquids: None

e. Use Environment: This equipment is not suitable to use in the presence of a flammable anesthetic mixture with air or nitrous oxide.

f. Operation: At normal mode, there are 4 timed curing cycles of 1, 3, 6, and 10 seconds curing and 50, 80, and 100% intensity output mode.
Fuses (2 Per unit): T5AL250V (110VAC input)
T2.5AL250V (230VAC input)

g.Output wavelength range: 410-500nm (nanometers)

h.Output light intensity: Approx. 1800mw/cm^2

i. Standard fiber-optic light guide: 8 mm light liquid guide for general use

j. Overall unit dimensions: Height 10 cm;
Length 35.5 cm;
Width 26.5 cm

k. Unit weight: light-guide 220 g
Control box 4.9 kg