MONITEX

BlueLuxcer™

Digital Curing Light   M-835

User Manual

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SET UP:

(1) Unpack the curing light. Place on firm flat surface or wall mount if preferred.
(2) Insert the fiber optic probe into the handpiece until firmly seated. Attach the protective shield onto the probe.
(3) Place the handpiece in the holder.
(4) Plug the unit into an AC outlet within a range from 100V to 240V (The light operates with a universal power supply).
(5) The CU 1000 curing light is ready for use.

OPERATION:

(1) Turn on the power switch located on the left side of base unit.
(2) The LED's lights will run through a power up test. When the test is completed, a "beep" sound will confirm unit is ready. The previous curing mode setting is retained in memory.
(3) Apply composite in mm's as indicated by composite manufacturer. Select curing mode to begin curing process.

HIGH POWER MODE:

Press the "HIGH POWER" button for full strength curing.
There are 3 pre-set curing times – **5 sec**., **10 sec**., and **20 sec**.
The curing cycles are activated by pressing the trigger switch
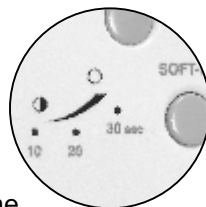on the handpiece, which simultaneously activates the magnetic
fan for cooling.

5 sec. – The curing cycle ends with a "beeping" signal. The fan will continue running for automatic cooling (varies from mode to mode).

10 sec. – A "beeping" signal is sounded at 5 second intervals before the auto shutdown.

20 sec. – A "beeping" signal is sounded at 10 second intervals before the auto shutdown.

SOFT-UP MODE:

The mode is designed to prevent composite shrinkage during polymerization. It is also very beneficial to use when curing dual-cure resin cement, all-ceramic and poly-ceramic systems. The "SOFT-UP" button activates a curing cycle with increasing intensity from low to high power light output.
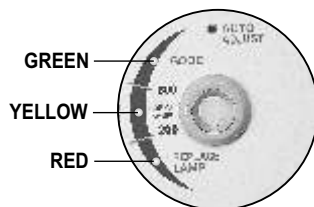Pressing the trigger switch on the handpiece will start or stop the curing light at anytime.

10 sec. − This curing cycle begins with 5 seconds of increasing intensity until reaching the maximum, and then stays at maximum curing power for 5 seconds ("Beeping" signal sounds at 5 second intervals).

20 sec. − This curing cycle begins with 7 seconds of increasing intensity until reaching the maximum, and then stays at maximum curing power for 13 seconds ("Beeping" signal sounds at 10 second intervals).

30 sec. − This curing cycle begins with 10 seconds of increasing intensity until reaching the maximum, and then stays at maximum curing power for 20 seconds ("Beeping" signal sounds at 10 seconds and 20 seconds).

BUILT-IN LIGHT METER:

This feature is designed to measure the intensity of the lamp output and use these readings to auto adjust the curing time to compensate for any light deterioration. This function is fully computerized and automated when necessary.
The light will automatically adjust the curing time based on the following guidelines:

GREEN − This color indicates that the light intensity is within accepted curing range at **over the 600mW/cm^2**.

YELLOW − This color indicates that the light intensity has fallen into a weaker-than-normal-range - **between 200~600mW/cm^2**. At this point, the curing-time adjuster will extend the curing time relative to how much the halogen bulb has deteriorated, using the following guidelines:
(a) If the light intensity is **between 400 mW/cm2 to 600mw/cm^2**, the selected normal curing time will be extended by 3 seconds.
(b) If the light intensity is **between 200 mW/cm2 to 400mw/cm^2**, the selected normal curing time will be extended by 6 seconds.

Any changes will be stored in memory until unit is turned off.
Recallibrate the light intensity reading by turning the power off then on to reset the memory.

⚠ **CAUTION:**

RED — Indicates that the light intensity has fallen **below 200mW/cm^2** . At this point, a continuous short "beeping" signal will sound as a reminder to replace the halogen bulb.

CLEANING & STERILIZATION:

1 - Light Guide
   After each patient, the light guide should be sterilized.
   Autoclave at 135ºC for 5 minutes.
2 - Use a cloth wipe and gentle cleansing agent to clean control unit and
   handpiece surfaces.

⚠ **CAUTION:**

Never use a solvent based cleaner. This will cause surface printing to fade.

DEVICE SPECIFICATIONS:

Voltage: AC 110V - 220V, 50/60Hz
Effect: A
Classification: Class I
Protection against electric shock: Type B applied part
Protection against harmful ingress of water: Ordinary equipment, IPX0
Mode of operation: Continuous operation or 30 seconds

TROUBLESHOOTING:

PROBLEM	CAUSE	METHOD
No power when switch is on	Cord or plug connections	Inspect the power connection and handpiece cable
No power when switch is on	Fuse	Inspect fuse and change if needed If it fails again, send for repair
No light from Handpiece	Halogen bulb not working	Replace bulb
Unexpected "beeping"	Some buttons are pressed	Check all buttons
No light after a few uses (if bulb okay)	Cooling fan not working	Send for repair

BUILT-IN LIGHT METER:

This product is designed for use in a dental office and this warranty is not applicable to other uses. The unit is warranted for twelve (12) months from date of purchase against manufacturing defects in materials and workmanship; Henry Schein® will repair or replace the unit at its sole discretion. This warranty shall be limited to replacement or repair of the unit or its parts and shall not extend to any other claims, including but not limited to loss of profit, cost of removal or replacement, incidental or consequential damages or other similar claims arising from the use of this product. Damages to the product resulting from acts of God, faulty installation, misuse, tampering, accident, abuse, negligence or unauthorized repairs or alternations unrelated to problems with materials and workmanship are not covered by this warranty.

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