

DMD-TS



MEDICAL & DENTAL OZONE SYSTEM



Original Dental, LTD
OzoneLeb division

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DMD-TS

Main Features

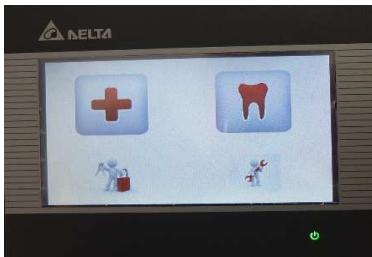
The DMD-TS is a medical and dental ozone system that provides the therapist and staff with an easy to use unit in all medical and dental ozone applications. It is recommended to operate the DMD-TS with oxygen. Various ozone concentrations are generated depending on the feeding gas purity and flow rate.

DMD-TS main features:

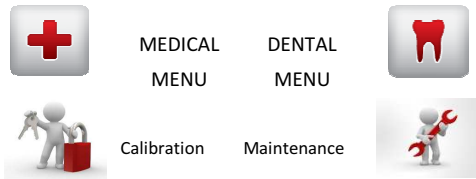
- 1- 4.7" TFT Touch-screen LCD
- 2- Dual glass CD electrodes
- 3- High purity ozone gas generation (no contact with metal electrodes)
- 4- PLC-controlled corona discharge generating ozone concentrations with high precision @ $\pm 2\%$ full scale. Ozone concentrations range: 1-115 μ gr/ml.
- 5- On-Screen General Guidelines and Clinical Applications Protocols for both medical (according to the Madrid Declaration) and dental applications
- 6- Suction pump @ various suction rates
- 7- Dual line 316 SS Handpiece
- 8- Footswitch (optional wireless RF double foot pedal)
- 9- Color-coded PVDF Luer Connectors and Fittings
- 10- Two modules metal oxides ozone destructors / Fluid Bottle Trap
- 11- Teflon 3-way O3 valve / O2 valve
- 12- Front and back panel OUT/IN ozone ports

DMD-TS

DISPLAY



MAIN MENU



MEDICAL MENU



DENTAL MENU

DMD-TS

Functions

INFO The **[INFO]** button opens the clinical applications pages.

TABLE The **[TABLE]** button opens the concentrations chart.

SYRINGE The **[SYRINGE]** button activates the front panel ozone port

PURGE The **[PURGE]** button flushes with oxygen the internal silicone tubes and treatment area from any residual ozone.

PRIME The **[PRIME]** button turns on the ozone generator for a fixed period of 5 minutes (without opening the oxygen valve) to initiate the ozone cell and accurate ozone production.



Ozone flow path indicator:

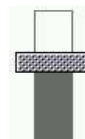
right arrow: back panel outlet

left arrow: front panel outlet

B: back

F: front

VAC The **[VAC]** button switches ON the built-in suction pump.



The suction speed can be adjusted by either using the slider or by pressing the numeric button to display the keypad. Input the desired value (20-100) and press "Enter".

DMD-TS Overview

The available ozone concentrations are set according to the "Madrid Declaration" general guidelines and clinical protocols. By pressing repeatedly the [OXYGEN FR] button, the following oxygen flow rates and corresponding labeled ozone concentrations, as well as the suggested Medical Applications will be displayed:

OXYGEN FR	1/32 l/m	1/16 l/m	1/8 l/m	1/4 l/m	1/2 l/m
	3/4 l/m	1 l/m			

RI	MAHT	MiAHT	Intra-Articular	Para-Vertebral
Sub-Cutaneous	Trigger Points	H2O	Bagging	



Syringe or Handpiece ports

DMD-TS Overview

Setting the Cycle Time

Press the [min] button to display the "minutes" numeric keypad. Input the desired value (0 to 9,999) and press [ENTER]. Press the [sec] button to display the "seconds" numeric keypad. Input the desired value (0 to 59) and press [ENTER]. For continuous operation, enter the value "0" for both [min] and [sec]. The indication "continuous on" will be displayed.



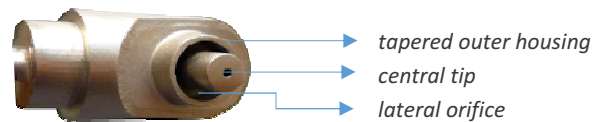
"min" keypad



"sec" keypad

DMD-TS

316 SS Handpiece



The handpiece body and head are made of ozone-resistant, grade 316, stainless steel. The tapered outer housing of the central delivering tip can be fitted with a disposable silicone cup. The central tip delivers the ozone gas, while the lateral orifice, via suction, removes the gas from the treatment area back to the destructor (D2). The central tip can also be fitted with Luer-type needles / applicators.



DMD-TS

Specifications

Power Supply	110 - 220V AC / 50-60 Hz. Fuse: 2A
Internal power supply	24V DC
Power consumption	40W
Dimensions	270 x 200 x 410 mm [H x W x D] 10.6 x 7.8 x 16.1 inch
Weight	8 Kg / 17.6 lb
Metal Enclosure	Cold rolled electrostatic steel (Jotun)
Warranty	2 years
Certifications	ISO 9001:2008 CE-164

Optional Items



Mobile Cart
ME size aluminum oxygen cylinder
Pediatric oxygen flow regulator
1/32; 1/16; 1/8; 1/4; 1/2; 3/4; 1 LPM flow rates
Water columns kit; connection assembly
2x 1,250 ml

