










LLLT Dental Laser Comparison Table (AM-100D)

Manufacturer	Konftec						MedX	CMS Dental	
Original Manufacturing Country	Taiwan						Canada	Denmark	
Reference Picture									
Model No.	AM-100D384	AM-100D682	AM-100D684				Oralase	DioBeam 830	
Laser Specifications									
Laser Wavelength	635 nm	808 nm	660 nm	808 nm	660 nm	808 nm	808 nm	830 nm	
Laser Diode Temp. Rating	55°C	50°C	60°C	50°C	60°C	50°C	No Data	No Data	
Laser Power	w/o Fiber Rod	220 mW	460 mW	150 mW	250 mW	150 mW	460 mW	200 mW	200 mW
	w/ Fiber Rod	170 mW	360 mW	120 mW	200 mW	120 mW	360 mW	NA	150 mW
Fiber Rod Diameter	8 mm						8 mm	No Data	
Laser Spot Size	0.5 cm ² (50 mm ²)						10 mm ² 1	No Data	
Laser Beam	Dispersion						No Data	Collimation 2	
Laser Frequency	Continuous						Continuous	Continuous	
Quantity of Laser	2						1	1	
Red Laser and Infrared Laser	Yes, exchangeable from keyboard						Infrared Laser Only	Infrared Laser Only	
Other Specifications									
Laser Controller Key Switch	Yes						No	Yes	
Treatment Process Indication	LCD (80x65 mm) dynamic display with blue backlit						LED	LED	
Laser Fault Alarm	self-diagnostic check and error detection, can automatically detect faulty alarm channel(s).						No	No	
Power Supply	90 ~ 264 AC						DC 3.6V Battery	DC 3.6V~4.1V Battery	
Power Supply Working Time	Unlimited						No Data	100 Min.	
Material of Handheld Part	Stainless Steel						Plastic	Plastic	
Water Proof of Handheld Part	IP54 (NEMA 4)						No	No	
Disinfection of Handheld Part	Easy and Full						?	?	
Standard Accessories									
Laser Optic Cap & Fiber Rod	Yes, 4 pcs						No	No	
Laser Safety Goggle	2 pairs						No	No	
Marketing									
CE Certificate	Yes						NA	Yes	
FDA 510k	NA						Yes	NA	
Warranty	2 Years						1 Year	1 Year	
Money Back Guarantee	90 Days						NA	NA	
Retail Price (USD)	\$4,760	\$2,200	\$2,760				> \$6,000	\$5,495 (€ 3,995 EUR)	
Remarks:	1 From manufacturer's specifications; questionable								
	2 Risky for patient's eyes								

LLLT Dental Laser Comparison Table (Klas-DX)

Manufacturer	Konftec			MedX	CMS Dental
Original Manufacturing Country	Taiwan			Canada	Denmark
Reference Picture					
Model No. (Click for Web Page)	Klas-DX61	Klas-DX82	Klas-DX84	Oralase	DioBeam 830
Laser Specifications					
Laser Wavelength	660 nm	808 nm	808 nm	808 nm	830 nm
Laser Diode Temp. Rating	60°C	50°C	50°C	No Data	No Data
Laser Power	w/o Fiber Rod	150 mW	250 mW	460 mW	200 mW
	w/ Fiber Rod	120 mW	200 mW	360 mW	NA
Laser Class	Class IIIb			Class IIIb	Class IIIb
Fiber Rod Diameter	8 mm			8 mm	No Data
Laser Spot Size	0.5 cm ² (50 mm ²)			10 mm ² ❶	No Data
Laser Beam	Dispersion			No Data	Collimation ❷
Laser Frequency	Continuous			Continuous	Continuous
Other Specifications					
Laser Controller Key Switch	Yes			No	Yes
Automatic Laser Dose Setting & Display	Yes			No	No
Automatic Laser Dose Control	Yes			No	No
Treatment Process Indication	LCD with blue backlit			LED	LED
Exchangeable Laser Module	Yes			No	No
Power Supply	Li-ion Rechargeable Battery			DC 3.6V Battery	DC 3.6V~4.1V Battery
Power Supply Working Time	4 Hours	2.5 Hours	1.5 Hours	No Data	100 Min.
Material of Handheld Part	Stainless Steel			Plastic	Plastic
Disinfection of Handheld Part	Easy and Full			?	?
Standard Accessories					
Laser Optic Cap & Fiber Rod	Yes, 6 pcs			No	No
Extra Rechargeable Battery	1 pc			No	No
Laser Safety Goggles	2 pairs			No	No
Marketing					
CE Certificate	Yes			NA	Yes
FDA 510k	NA			Yes	NA
Warranty	2 Years			1 Year	1 Year
Money Back Guarantee	90 Days			NA	NA
Retail Price (USD)	\$2,100	\$2,100	\$2,580	> \$6,000	\$5,495 (€ 3,995 EUR)
Remarks:	❶ From manufacturer's specifications; questionable ❷ Risky for patient's eyes				

LLLT Dental Laser Comparison Table (Klas-D)

Manufacturer	Konftec			MedX	CMS Dental
Original Manufacturing Country	Taiwan			Canada	Denmark
Reference Picture					
Model No. (Click for Web Page)	Klas-D50	Klas-D61	Klas-D81	Oralase	DioBeam 830
Laser Specifications					
Laser Wavelength	660 nm	660 nm	808 nm	808 nm	830 nm
Laser Diode Temp. Rating	60°C	60°C	50°C	No Data	No Data
Laser Power	w/o Fiber Rod	50 mW	100 mW	110 mW	200 mW
	w/ Fiber Rod	40 mW	80 mW	90 mW	NA
Laser Class	Class IIIa		Class IIIb	Class IIIb	Class IIIb
Fiber Rod Diameter	8 mm			8 mm	No Data
Laser Spot Size	0.5 cm ² (50 mm ²)			10 mm ² 1	No Data
Laser Beam	Dispersion			No Data	Collimation 2
Laser Frequency	Continuous			Continuous	Continuous
Other Specifications					
Laser Controller Key Switch	No			No	Yes
Treatment Process Indication	No (Visible RED Laser)	LED		LED	LED
Power Supply	3 x AAA Batteries			DC 3.6V Battery	DC 3.6V~4.1V Battery
Power Supply Working Time	9 Hours	5 Hours	4 Hours	No Data	100 Min.
Material of Handheld Part	Stainless Steel			Plastic	Plastic
Water Proof of Handheld Part	IP54 (NEMA 4)			No	No
Disinfection of Handheld Part	Easy and Full			?	?
Marketing					
CE Certificate	Yes			NA	Yes
FDA 510k	NA			Yes	NA
Warranty	2 Years			1 Year	1 Year
Money Back Guarantee	90 Days			NA	NA
Retail Price (USD)	\$519	\$679	\$679	> \$6,000	\$5,495 (€ 3,995 EUR)
Remarks:	1 From manufacturer's specifications; questionable 2 Risky for patient's eyes				