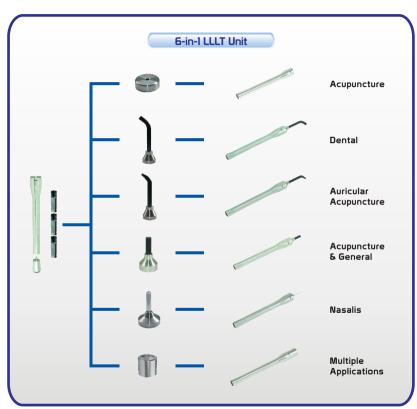
Klas-P6 6-in-1 LLLT Unit



User's Guide





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Getting started

Install your Klas with the included batteries and begins to get started low level laser therapy (LLLT).

Using Klas

Klas can be used for treatment of diseases and conditions, follow the recommended dosage and treatment time to get the best efficacy. You can also find new information about using Klas on the web www.konftec.com.

Using the battery

- ☑ Use the battery that came with your Klas or any qualified standard battery or rechargeable battery.
- ☑ If you do not use your Klas for a period of time, be sure to take battery out from your Klas.

Klas-P6 LEDs' indication

Klas-P6 emits the infrared laser, which is invisible. For safety operation, two LED indicators are equipped:

Red LED (L) – Laser output

Green LED (B) – Battery power

If Red LED (L) is OFF and Green LED (B) is ON, please replace the batteries.



Treatment Time Calculation Table						
Optic Cap-A Laser beam spot size: 0.13 cm ²						
	Depth of Tissue (cm)	Energy Loss Factor	Treatment Time (second)			
Dose (J/cm³)			Wavelength	808nm		
			Model No.	Klas - P62	Klas-P64	
			LD Power (mW)	260	460	
	(5)		End Power (mW)	208	368	
			Power Density (W/cm²)	1.60	2.83	
3 J/cm²	Surface	1		1.9	1.1	
	0.5	0.6772		3	2	
	1	0.4586		4	2	
	1.5	0.3105		6	3	
3 J/cm ³	2	0.2103		9	5	
	2.5	0.1424		13	7	
	3	0.0964		19	11	
	3.5	0.0653		29	16	
	4	0.0442		42	24	
	4.5	0.0299		63	35	
	5	0.0203		92	52	





Treatment Time Calculation Table

Optic Cap-C Laser beam spot size: 0.5 cm²

optic cup c Euser Scarrispot size. 0.5 cm						
	Depth of Energy Tissue Loss (cm) Factor	Loss	Treatment Time (second)			
Dose (J/cm³)			Wavelength	808nm		
			Model No.	Klas P62	Klas P64	
			LD Power (mW)	260	460	
		ractor	End Power (mW)	200	370	
			Power Density (W/cm²)	0.40	0.74	
1 J/cm²	Surface	1		2.5	1.4	
	0.5	0.6772		4	2	
	1	0.4586		5	3	
	1.5	0.3105		8	4	
1 J/cm3	2	0.2103		12	6	
	2.5	0.1424		18	9	
	3	0.0964		26	14	
	3.5	0.0653		38	21	
	4	0.0442		57	31	
	4.5	0.0299		84	45	
	5	0.0203		123	67	





Treatment Time Calculation Table

Optic Cap-D Laser beam spot size: 0.5 cm²

Optic Cap-D Laser beam spot size: 0.5 cm²					
	Depth of Tissue (cm)	Energy Loss Factor	Treatment Time (second)		
Dose (J/cm³)			Wavelength	808nm	
			Model No.	Klas P62	Klas P64
			LD Power (mW)	260	460
			End Power (mW)	200	370
			Power Density (W/cm²)	0.40	0.74
1 J/cm²	Surface	1		2.5	1.4
	0.5	0.6772		4	2
	1	0.4586		5	3
	1.5	0.3105		8	4
1 J/cm3	2	0.2103		12	6
	2.5	0.1424		18	9
	3	0.0964		26	14
	3.5	0.0653		38	21
	4	0.0442		57	31
	4.5	0.0299		84	45
	5	0.0203		123	67



Treatment Time Calculation Table Optic Cap-E Laser beam spot size: 0.07 cm² **Treatment Time (second)** 808nm Wavelength Klas P62 Model No. Klas P64 Depth of Energy Dose **Tissue** Loss LD Power (mW) 260 460 (J/cm³) (cm) **Factor** End Power (mW) 180 320 **Power Density** 2.57 4.57 (W/cm^2) 3 J/cm²Surface 1 1.2 0.7 0.5 0.6772 2 1 0.4586 3 1 1 4 1.5 0.3105 2 0.2103 6 2 3 8 2.5 0.1424 5 3 J/cm^3 3 0.0964 12 7 3.5 0.0653 18 10 4 0.0442 26 15 0.0299 4.5 39 22

57

32



5

0.0203

Optic Cap-N Laser beam:	Laser beam: End Dispersion			
Wavelength	808nm			
Model No.	Klas-P62	Klas-P64		
LD Power (mW)	260	460		
End Power (mW): Dispersion	208	368		





Treatment Time Calculation Table						
Optic Cap-S Laser beam spot size: 3 cm ²						
	Depth of Tissue (cm)	Energy Loss Factor	Treatment Time (minute)			
Dose (J/cm³)			Wavelength	808nm		
			Model No.	Klas P62	Klas P64	
			LD Power (mW)	260	460	
	(****)		End Power (mW)	104	184	
			Power Density (W/cm²)	0.035	0.061	
3 J/cm²	Surface	1		87 sec.	49 sec.	
3 J/cm³	0.5	0.6772		2	1	
	1	0.4586		3	2	
	1.5	0.3105		5	3	
	2	0.2103		7	4	
	2.5	0.1424		10	6	
	3	0.0964		15	8	





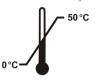
About operating and storage temperatures

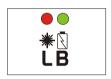
- ☑ Operate your Klas in a place where the temperature is always between 0 and 50° C (32 to 122° F).
- ☑ Store your Klas in a place where the temperature is always between -20 and 85° C (-4 to 185° F).

Troubleshooting My Klas won't turn on

- ☑ Make sure Klas's power switch is on.
- ☑ If that doesn't work, check the position of battery in Klas.
- ☑ If that doesn't work, loosen the bottom cap and fasten again.
- ☑ If both LEDs' do not light, replace the new batteries.

If that doesn't work, contact your local sales office.





Learning more, service and support

There is a wealth of information about using Klas on the Web. For the latest information on Klas service and support information go to www.konftec.com

Obtaining warranty service

If the product appears to be damaged or does not function properly, please follow the advice in this booklet, and the online resources. If the unit still does not function, go to www.konftec.com for instructions on how to obtain warranty service.

Safety Important safety instructions



Follow all instructions and warnings dealing with your Klas.

Warning

- ☑ Avoid direct eye exposure to the laser beam.
- ☑ Operation of this device, must always be supervised by an adult.



Cleaning

Follow these general rules when cleaning the outside of your Klas and its components:

- ☑ Use a damp, soft, lint-free cloth.
- ☑ Use alcohol to clean the optic glass.
- ☑ Don't use aerosol sprays, solvents or abrasives.



Avoid direct sunlight

Protect your Klas from long time direct sunlight.



Do not make repairs yourself

No user-serviceable parts are inside.

About handling

Your Klas may be damaged by improper storage or handling. Be careful not to drop your Klas when treating or transporting the device.





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