







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 | |
| Retail Price (USD) | \$2,100 | \$2,100 | \$2,580 | > \$6,000 | \$5,495 (€ 3,995) | |
| 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 | 200 mW |
| | w/ Fiber Rod | 120 mW | 200 mW | 360 mW | NA | 150 mW |
| 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 | |
| Other Specifications | | | | | | |
| Laser Controller Key Switch | ✓ | | | ✗ | ✓ | |
| Automatic Laser Dose Setting & Display | ✓ | | | ✗ | ✗ | |
| Automatic Laser Dose Control | ✓ | | | ✗ | ✗ | |
| Treatment Process Indication | LCD with blue backlit | | | LED | LED | |
| Exchangeable Laser Module | ✓ | | | ✗ | ✗ | |
| 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 | ✓ 6 pcs | | | ✗ | ✗ | |
| Extra Rechargeable Battery | ✓ 1 pc | | | ✗ | ✗ | |
| Laser Safety Goggles | ✓ 2 pairs | | | ✗ | ✗ | |
| Marketing | | | | | | |
| CE Certificate | ✓ | | | ✗ | ✓ | |
| FDA 510k | ✗ | | | ✓ | ✗ | |
| Warranty | 2 Years | | | 1 Year | 1 Year | |
| Money Back Guarantee | 90 Days | | | ✗ | ✗ | |
| Remarks: | ❶ From manufacturer's specifications; questionable ❷ Risky for patient's eyes | | | | | |

LLLT Dental Laser Comparison Table (AM-100C)

| | | | | | | | | | |
|--------------------------------|--|----------------------------|----------------------------|--------|--------|--------|---|---|--------|
| Manufacturer | Konftec | | | | | | MedX | CMS Dental | |
| Original Manufacturing Country | Taiwan | | | | | | Canada | Denmark | |
| Reference Picture |  | | | | | |  |  | |
| Model No. | AM-100C384 | AM-100C682 | AM-100C684 | | | | 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 | | | | | | | | |