

**Qualas4** is developed from a high power laser device designed with compactness, portability, reliability and user-friendliness. It provides the operator with a versatile tool for laser therapy applications.

**Qualas4** utilizes semiconductor diodes with visible and invisible infrared radiation as laser sources. The laser power is delivered to the treatment area via a flexible fiber, which has a handpiece. The emission of the laser is activated by a finger touch switch.



**Qualas4** is patented and made using the combination of modern laser diode technology, innovative optics design and computerized digital control.

## Features

- 3 lasers with wavelengths of 635nm, 808nm and 980nm can be emitted independently.
- Touch screen with the menu allows the operator to select or change the system settings includes wavelength, power and frequency.
- The finger touch sensor equipped in the handheld piece can override laser emission.
- Advanced control circuit and cooling system made by Konftec to maintain the specific power output.
- Selectable laser lens and fiber rods can be applied for different treatment applications.

### The most reliable laser power







## Specifications


Operation Environment	0 ~ 40 °C (32 ~ 104 °F); 10 ~ 95%RH (Non-condensing)
Power Supply	90 ~ 250V AC, 47Hz ~ 63Hz; Max. 100VA
Laser Material	Semiconductor Laser Diode
Laser Classification	Class IV
Wavelength ... Power	635nm... 1 Watt 808nm... 12 Watt 980nm... 12 Watt
Pilot Beam	635nm... 50 mW
Time Setting	1 ~ 60 Minutes
Frequency Setting	0 Hz (Continuous Wave); 1 ~ 20,000 Hz (Modulation)
Operation & Display	Color LCD Touch Screen
Operation Override	Touch Sensor Equipped in Handheld Piece
Operation Beep	Adjustable 0 ~ 20 second; 0 second (silence)
Medical Device Certificate	GMP (Good Manufacturing Practice)
Dimensions	29.5(L) x 25.5(W) x 20(H) cm; 11.6(L) x 10(W) x 7.9(H) in
Weight	4.3 Kg (9.5 Lb)

## Accessories

### Laser Optic Caps & Fiber Rods

Optic Cap Fiber Rod	Contact Len	Contact Ball		Fiber Rod		
	∅30mm	∅30mm	∅50mm	∅8mm	∅8mm	∅4mm
Model No.	WO-426	WO-427	WO-428	WF-425	WF-422	WF-423
Reference Picture						
Laser Beam Spot Size	>5 cm <sup>2</sup> Divergency: 32°	<2 cm <sup>2</sup> Focused	<4 cm <sup>2</sup> Focused	0.5 cm <sup>2</sup>	0.5 cm <sup>2</sup>	0.13 cm <sup>2</sup>
Applications	General	General	General	Acupuncture	Dental	Auricular

### Laser Safety Goggles

Frame	Plastic	
Protection	Side Shields	
Spectral Characteristics	OD (Optical Density) 630 ~ 650nm: 3+ 800 ~ 1100nm: 5+	