



## The Aura XP™ Laser System Specifications



### Laser Type

Quasi-Continuous KTP Laser with  
StarPulse operating at 532nm

**Laser Wavelength**  
532 nm

**Laser Power**  
0.5 to 15 Watts

**StarPulse  
Peak Power**  
160 Watts

**Weight**  
60 lbs / 27 kg

**Dimensions**  
16"H x 12" W x 23"D  
(42 cm x 31 cm x 58 cm)

**Cooling**  
Air cooled

**Electrical Requirements**  
Single Phase

- 100VAC/20amps
- 120VAC/15amps
- 230VAC/10amps

**Exposure Duration**  
1 to 50 milliseconds  
in 1msec increments,  
then .1 to 1 sec in  
0.1 increment, then  
.5 sec increments  
to continuous

**Exposure Intervals**  
Single or 0.1 to 1 sec  
in 0.1 increments

**Pulse Rates**  
1 to 10 pulses  
per second when  
duration set between  
1 to 50 milliseconds

## Multiple Surgical Applications



The Aura XP with StarPulse Technology excels as a tool supporting the management of selected mucosal diseases by offering a versatile platform utilizing a continuous wave and pulsed mode (StarPulse) technology – expanding performance and maximizing investment.

### Ears

Using the Aura XP with StarPulse, a physician can perform inner ear surgery precisely without disrupting delicate tissue surrounding the stapes bone. Many of these procedures can be performed in a hospital outpatient or ambulatory surgery center.

#### Clinical Applications

- **Otosclerosis/Stapedectomy** – Using our small 125 micron fiber provides precise accuracy and tactile feedback while working in tight/confined spaces.
- **Ruptured Eardrum/Tympanoplasty** – The small AccuStat Fiber can be used swiftly and deftly to cut or coagulate tissue.
- **Acoustic Neuroma** – The benign tumor in the inner ear can be easily excised and necrosed using the Aura XP's KTP wavelength.

#### Primary Fiber Used

- **AccuStat Fibers** – AccuStat Fibers will cut, vaporize or coagulate tissue in a laser surgical procedure and are intended to be used in a non-contact mode.



### Nose

Using the Aura XP laser for nasal procedures including less bleeding, lowers chances of re-occurrence and less thermal damage than electrocautery. Many of these procedures can be performed in a hospital outpatient or in-office setting using local anesthesia.

#### Clinical Applications

- **Chronic Nasal Obstruction/Turbinate Reduction** – Chronic nasal obstruction is one of the more prevalent ENT diseases for which the Aura XP is well suited. The Aura XP gives a surgeon the advantage of precisely removing diseased tissue while leaving healthy nasal mucosa tissue intact.
- **Chronic Sinus Polyps/Sinus Polypectomy** – The Aura XP laser quickly coagulates and vaporizes intranasal soft tissue lesions.
- **Tonsillectomy**
- **Adenoidectomy**
- **Laser Assisted UPPP**
- **HHT (chronic nose bleeds)**

#### Primary Fiber Used

- **Endostat Fibers with the Endo Suction Sinus Set** – The Endostat Fibers are flexible and tend to cut faster when used in contact with tissue, than larger diameter fibers.

