

# The **AUTOLITH**<sup>®</sup> System

## Quick Reference and Information Guide



Indicated for:  
**Urinary & Biliary**  
Stones

**BiPolar Electro-Hydraulic Lithotripsy**

### Getting STARTED

Turn on the power "ON" switch after plugging the **AUTOLITH**<sup>®</sup> System into a proper power outlet. Attach the foot-pedal to the front panel foot-pedal port and place the sterilized **EHL Probe** and **Extender Cable** onto the sterile field using proper sterile technique.



### Connecting the EHL Probe

Connect the EHL probe to the end of the extender cable opposite the square black ferrite. Pass the remaining end of the extender cable to the O.R. circulator.



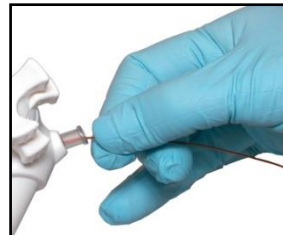
### EHL Probe Recognition

The O.R. circulating nurse should then connect the remaining end of the extender cable to the front panel "PROBE" port. Notice the "Connect Probe" message change to indicate the size of the EHL probe that has been connected, i.e. **1.9Fr. (.63mm)**. The **AUTOLITH**<sup>®</sup> System will now deliver the precise amount of energy specific to the size of the connected EHL probe.



### The Endoscope and EHL Probe

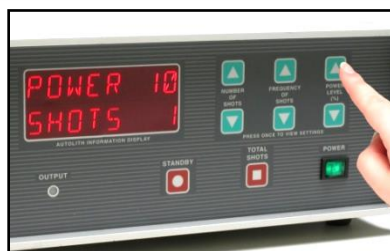
The doctor should now prepare to fragment the stone. Careful insertion of the EHL probe into the appropriate endoscope working channel is now accomplished and treatment of the stone is ready to start. Using direct visualization, the EHL probe tip and the stone are sighted. Normal physiological **SALINE** (premixed bags of **.9% normal saline**) should be used for irrigation at all times.



### Power

Start **LOW** and increase the power if needed for effective stone fragmentation.

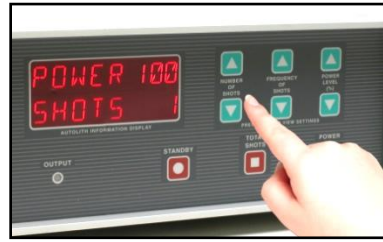
**The total power range is 10% to 100%**  
**Suggested to start: 30%-40% Power**





### Frequency of Shots

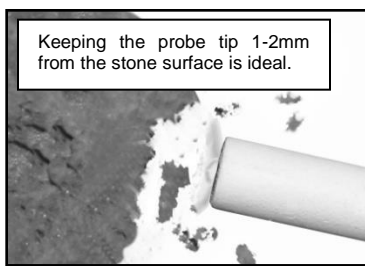
This adjusts how fast the selected number of shots are delivered. For stones that are free to move or bounce away, select fewer shots at a higher frequency. A rate of **30** shots per second is the highest (fast) frequency setting. A rate of **1** shot per second is the slowest frequency setting. **Suggested setting: 30/sec.**



### Number of Shots

Again, if the stone can move or bounce away, select fewer shots. A maximum of 60 shots delivered over 2 seconds is the maximum number of shots that can be fired with 1 foot-pedal depression.

**Suggested setting: 3-5 shots per foot-pedal depression.**



The **OUTPUT** light will flash every time a shot has been triggered.

**Note:**

- Using higher power settings and a higher number of shots may reduce probe life.
- The most effective stone fragmentation occurs with the end of the EHL probe 1-2mm from the stones surface.



- Press the **Standby** button to avoid unintentional probe firings. This feature is useful if the scope and EHL probe are brought outside of the body.
- Press **Total Shots** to see how many shots have been discharged.



™/® trademarks and registered trademarks of or used under license by NORTHGATE Technologies Inc.

### Ordering Information: Disposable BiPolar EHL Probes

- 9-195-371.....1.9fr. (0.63mm) Biliary Probe (375cm)(Sterile) 1/Box
- 9-195-25 .....1.9fr. (0.63mm) Biliary Probe (250cm)(Sterile) 1/Box
- 9-196-12 ..... 1.9fr. (0.63mm) Ureteral Probe (120cm)(Sterile) 3/Box
- 9-900-54 ..... 9.0fr. (3.0mm) Urinary Bladder Probe (54cm)(Sterile) 3/Box
- 9-001-00 ..... Pneumatic Foot Switch
- 9-002-00 ..... Extender Cable
- 9-003-00 ..... U.S. Power Cord

