SECTION TWO
DESCRIPTION

INTRODUCTION

This section contains descriptions of the front panel, rear panel, and screens that are displayed on the PurePoint Laser.

WARNINGS!

Use of controls, making adjustments, or performance of procedures other than specified in this manual may result in hazardous laser radiation exposure.

Possible explosion hazard if used in the presence of flammable anesthetics or other gas mixtures.

FRONT PANEL DESCRIPTION

The front panel, shown in figure 2-1, allows the operator to control, change settings, and monitor the PurePoint Laser. Changes to the current system setup are confirmed by a system tone or voice confirmation. For example: if the port selection or power is changed, the system will emit a tone. The liquid crystal display (LCD) shows laser parameters, operational prompts, and operator messages.
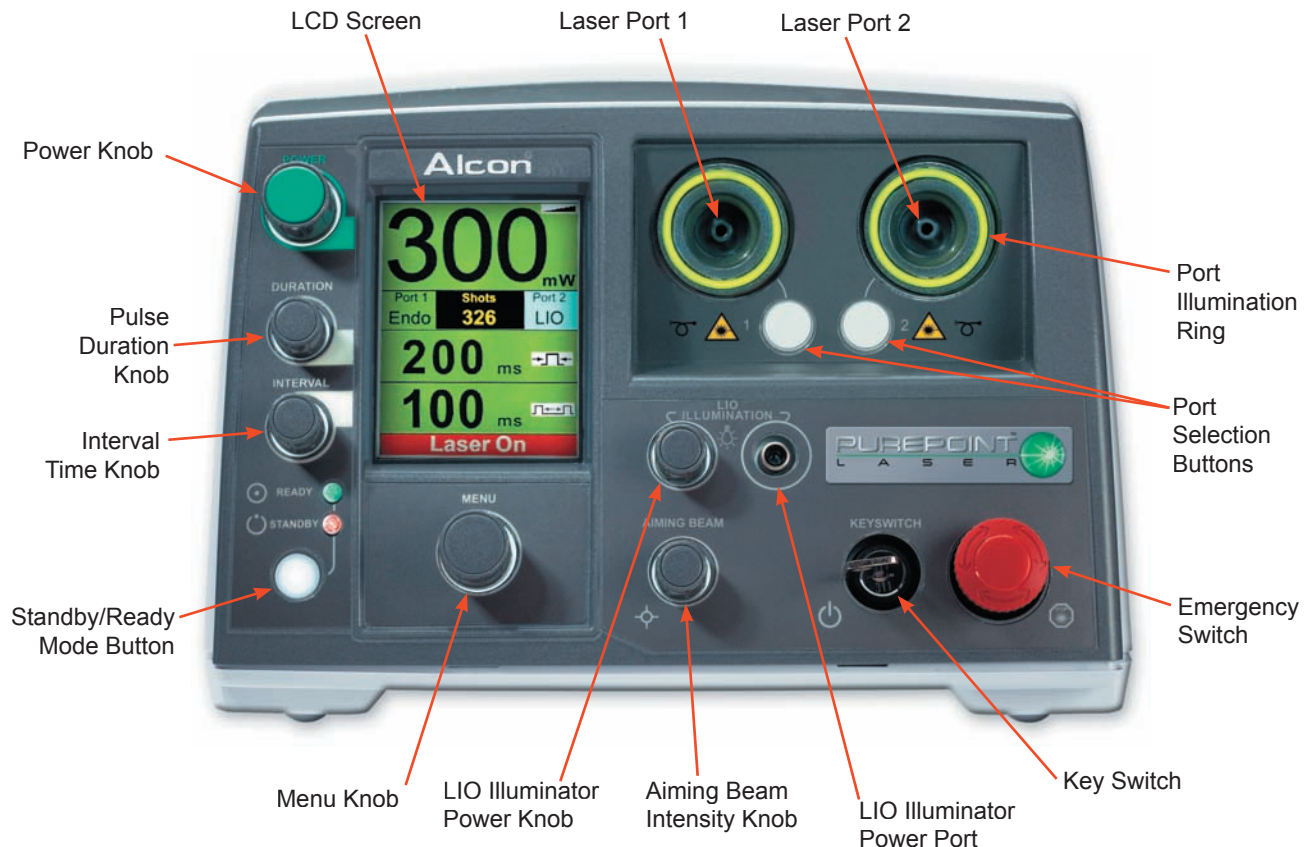

Figure 2-1   The PurePoint Laser Front Panel

Figure 2-2
Typical *PurePoint*® Screen

LCD Screen

The LCD screen is the communication interface between the surgeon and the system. It provides the surgeon with system status and parameters by displaying text and icons relevant to the current operating state. The background color of this screen is gray when the system is in the Standby state and green when is in the Ready state. When the laser is fired, "Laser On" is display in a red box at the bottom of the screen.
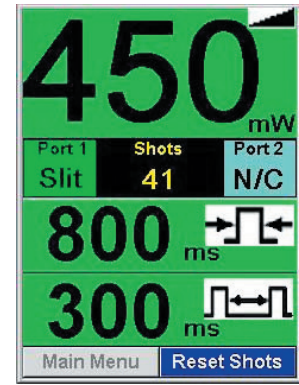
Figure 2-2 shows a typical screen that may be displayed on the LCD. Each screen displayed by the system is described in detail later in this section. System messages (advisories, errors, and warnings) are listed in the Troubleshooting section of this manual.

Laser Ports 1 and 2

Dual SMA connectors are provided on the front panel to connect the *PurePoint™* Laser to the desired delivery system; i.e., Slit Lamp adaptation, Laser Indirect Ophthalmoscope (LIO), or Endoprobe/Aspirating probe. Each port has an Radio Frequency Identification (RFID) reader that can identify Alcon RFID enabled probes and automatically set up the default power and time parameters for the specific probe. Laser fibers without RFID must be identified by the operator when prompted on the display.

Port Illumination Ring

The Laser Ports are surrounded by a ring of LED's that provide background illumination for the port and enable the user to visually verify the following items:
- Indicates that the port is selected.

- Indicates that an unidentified probe has been inserted into the port.

- Indicates that a fault has been detected on the port and the port is no longer available.

Port Available Illumination Color: **BLUE**

If no probe is connected to a port, the Port Illumination Ring is illuminated in the color blue.

Selected Port Illumination Color: **GREEN**

If an identified probe is inserted into the port and the port is selected, the Port Illumination Ring is illuminated in the color green.

Unidentified Probe Indication Color: **ORANGE**

If a probe is inserted into the port and is unidentifiable by the system, the Port Illumination Ring is illuminated in the color orange, indicating that the probe must be identified before it can be used.

A message is displayed as shown in Figure 2-3 prompting the user to identify the probe as one of three instruments displayed in the menu options.

After the user has identified the probe:
- The Port Illumination Ring is illuminated in the color green if the port is the only port with an identified probe.
- The Port Illumination Ring is not lighted if the other port already contains an identified probe. The port with the newly-identified probe is not the selected port. The Port Selection Button must be pushed for the probe to be selected.
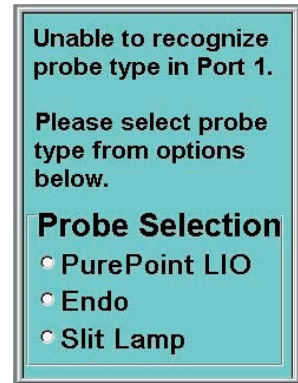
Disabled Port Indication Color: **RED**

If the *PurePoint™* software determines a port cannot be used due to a mechanical or software fault, the Port Illumination Ring is illuminated in the color red.

Unable to recognize probe type in Port 1.

Please select probe type from options below.

Probe Selection
○ PurePoint LIO
○ Endo
○ Slit Lamp

Figure 2-3
Unidentifiable Probe
Selection Screen

Port Selection Buttons

When each port has an identified probe, pressing one of the Port Selection Buttons selects the associated port. The Port Selection Buttons are active only when there are identified probes in each port. In all other cases (such as an unidentified probe in one port, only one port being used, no identified probes in a port, etc.) the *PurePoint™* software will take the correct action.

When a selection is made, the LED surrounding the desired port illuminates green. If selecting a port for the first time after starting the system with an identified endoprobe or slit lamp attachment, a screen is displayed asking the user to confirm that the Dr. Filter is in place.

Emergency Switch

Pressing the Emergency Switch turns off the laser system immediately. To restore power, pull the Emergency Switch to the out position. The system will return to the Standby mode.

Keyswitch

The Keyswitch is a two position switch where the key can be removed only in OFF position. In the OFF position, the power to the laser is shut off. Switching to the ON position turns the laser system on and the system will display the Standby screen.

LIO Illumination Power Knob

The LIO Illumination Power knob adjusts the brightness of the LIO illumination beam (if an LIO power cable is plugged into the LIO Power Port port, a LIO fiber is connected to a laser port, and the port is selected). Turning the knob right makes the LIO illumination beam brighter and turning the knob left makes the beam dimmer.

When the LIO illumination beam reaches its maximum brightness, continuing to turn the knob to the right has no effect. Similarly, when the LIO illumination beam reaches its minimum brightness level, continuing to turn the knob to the left has no effect.

Aiming Beam Intensity Knob

The Aiming Beam Intensity knob adjusts the intensity of the the red laser aiming beam. The system saves the intensity setting for each port. Therefore, when a laser port is selected, the aiming beam intensity setting is the same as the last time the port was selected. In addition, when the laser system has completed initialization, the aiming beam intensity for the selected port is the same as the last time the system was turned on.

- Turning the Aiming Beam Intensity knob clockwise increases the intensity towords the maximum (under 1 mW).
- Turning the knob counter-clockwise decreases the power until it effectively turns off.
- Turning the knob further in either direction has no effect on the power of the aiming beam.

LIO Illumination Power Port

The LIO illumination power cable connector is inserted into this port.

Menu Knob

The Menu knob allows the user to highlight and select a menu item shown on the display. The knob rotates to move the highlighted field on the display, and the highlighted item is selected by pressing the knob.

- Turning the Menu knob clockwise moves the highlighted field to the right (or down).
- Turning the Menu knob counter-clockwise moves the highlighted field to the left (or up).
- Continuing to turn the knob after highlighting the last menu item has no effect.
- On menus in which several choices are required, turning the knob highlights the space, but the knob must be pushed in to make a selection. A choice must be made in each line or column.
- For menu items containing values that can be modified, turning the knob right increases the value and turning the knob left decreases the value. Once the maximum or minimum value for a setting has been reached, turning the knob in that direction has no further effect.

Standby/Ready Button

The Standby/Ready button switches the system between Standby and Ready modes. The screen background changes color for each mode (gray for Standby, green for Ready mode). In addition, each mode has an associated LED that illuminates when that mode is active.

> **WARNING!**
>
> **In Ready mode, pressing the footswitch will fire the laser.**

To transition the system from Standby to Ready mode, press the Standby/Ready button once. The transition proceeds as follows:
- The LCD background color flashes between gray and green for the 2 seconds.
- During those same 2 seconds, the Standby LED turns off, and the Ready LED flashes on/off.
- After the transition, the LCD background color remains green and the Ready LED stays on indicating that the system is in Ready mode.

Various conditions prevent the system from transitioning to Ready mode including the following:
- Footswitch disconnected
- No identified probe connected
- Remote interlock open
- Tethered Dr. Filter disengaged
- The LCD is displaying a menu screen

Pressing the Standby/Ready button while the system is in Ready mode, immediately returns the system to Standby mode.

The Interval Time Knob

The Interval Time is the time between treatment shots when the treatment mode is set for Repeat mode. The Interval Time knob can adjust the interval time to the following values:
- 30 ms to 100ms in 10 ms steps
- 100 ms to 300 ms in 50 ms steps
- 300 ms up to 1 second duration in 100 ms steps.

The Interval Time Knob functions as follows:
- Turning the knob clockwise increases the amount of time between pulses (interval).
- Turning the know counter-clockwise decreases the amount of time between pulses.
- Turning the knob counter-clockwise from the maximum interval time (1000 ms) places the laser in Single Shot mode. Afterwards, turning the knob clockwise has no effect.
- Turning the knob clockwise from Single Shot mode will place the laser into Repeat mode with the interval time set to 1000 ms.
- Pressing the Interval Time knob sets the laser to Single Shot. Pressing the knob again returns the system to Repeat mode using the previous Interval time. In CW mode, turning or pressing the Interval Time knob has no effect.

NOTE: In Continuous Wave (CW) mode, the Interval Time knob is disabled and interval parameter on the diplay is grayed out.

The Pulse Duration Knob

The Pulse Duration Knob sets the duration (exposure time) of the laser emission and it functions as described below:

- Turning the knob clockwise increases the exposure time up to 2000 ms.
- Turning the knob past the 2000 ms setting or pushing the knob places the system in Continuous Wave (CW) mode. In CW mode, the Interval Time knob is disabled.
- Turning the Pulse Duration knob counter-clockwise from CW mode returns the system to the previous mode: Single Shot or Repeat.
- Turning the knob counter-clockwise decreases the exposure time. The lowest available exposure time is 10 ms.
- The Pulse Duration Knob adjusts the exposure time to the following values in milliseconds:10, 20, 50, 100, 150, 200, 250, 300, 400, 500, 700, 1000, 1500, 2000 ms and Continuous Wave (CW).

NOTE: In CW (Continuous Wave) mode, depending on the thermal load of the system, the system may shut down prior to the footswitch being released, with an indication in the LCD display. It is not recommended to use exposure times longer than 2 seconds in CW mode.

The Power Knob

The Power Knob is used to adjust the treatment laser power and it functions as described below:

Turning the Power Knob clockwise increases the laser power.
Turning the Power Knob counter-clockwise decreases the power power.
The Power Knob adjusts the power setting to the values shown in Table 2-1.

Table 2-1   532 Green Laser Power Values (in milliwatts)

30	40	50	60	70	80	90	100	110	120	130	140
150	160	170	180	190	200	220	240	250	260	280	300
320	340	350	360	380	400	420	440	450	460	480	500
550	600	650	700	750	800	850	900	950	1000	1100	1200
1300	1400	1500	1600	1700	1800	1900	2000				

NOTE: The *PurePoint™* laser determines the 532 green laser maximum available power and limits the user setting to that maximum value if less than 2 W. The maximum selectable power may be less than 2 W (2000 mW) because of the degradation of the laser engine over time.
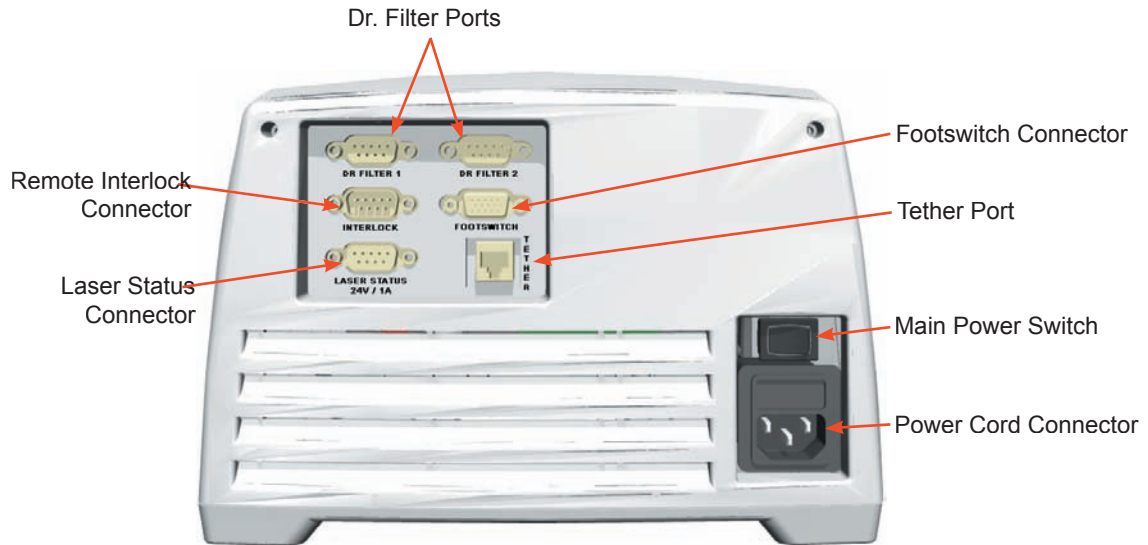
REAR PANEL DESCRIPTION

Figure 2-4   The *PurePoint*™ Laser Rear Panel

Doctor Protection Filter Ports

Two ports are provided to connect Doctor's filters. If more than one filter is needed, both ports can be used at the same time. There is no direct correspondence between the laser ports and Dr. Filter ports.

If the Doctor Protection Filter is not engaged, the warning message "Please Engage Dr. Filter" is displayed on the LCD. This message is displayed every time a port with a slit lamp or endoprobe fiber connected is selected. Acknowledging the prompt removes the warning message and allows normal operation to continue.

WARNINGS!

The operator may have a colored view through the Doctor Protection Filter due to blocking of the 532 nm wavelength (green). Newer filters are more transparent and provide a less-discolored view.

The operator must be careful to avoid potential secondary reflections. Therefore, the treatment room should be approved by a qualified laser safety officer.

Footswitch Connection

Either a standard footswitch or a multi-function footswitch is connected to the system through this port. The multi-function footswitch provides additional controls to change laser power and switch between Standby and Ready modes.

Power Cord Connector and Main Power Switch

The power cable for the system is connected in this module and the power switch is located above the power connection. If the Emergency Switch is pressed, the power to the system is shut off even if the Main Power Switch is ON.

Tether Port

This port is used by authorized service personnel to connect a service computer to the system. A password is required to gain access to the system and this procedure can only be performed by authorized service personnel.

Remote Interlock Port

The Remote Interlock Connection permits the facility to connect a door activated switch and/or door warning lamp to the *PurePoint™* system (see Section One for details).

When the Remote Interlock is activated and the connected door is opened:
• when the system is in Standby mode, a message is displayed that prompts the user to close the door prior to continuing.
• when the system is in Ready mode, the system immediately goes to Standby mode, and a message is displayed that prompts the user to close the door prior to continuing.
• when the system is in Firing mode, the laser is turned off, system goes to Standby mode, and a message is displayed that prompts the user to close the door prior to continuing.

Laser Status Connector

A lighted warning sign can be mounted at the entrance of the laser room and connected to the system through this port. When connected, the system will turn the warning sign on during Ready mode, and turn the sign off during Standby mode. The port will drive a bulb with a max rating of 24 Vdc, 1A.

FOOTSWITCH

The multi-function footswitch shown in Figure 2-5 has a depressible pedal to fire the laser and side switches that can be configured via the Footswitch Settings screen to perform other functions. The footswitch is lit by LED's to make it easy to find in a dark operating environment.

The side switches, located on the right and left side of the footswitch enclosure, are either enabled or disabled according to the selection in the Footswitch Settings screen (see the Footswitch Settings screen description later in this section of the manual). When enabled, they can be configured to control laser power or the transition between Standby and Ready modes.

When changing the laser power, holding a side switch depressed does not auto-increment or auto-decrement. The power value on the LCD is updated when a side switch is released. Therefore, each change of value requires a separate press and release.
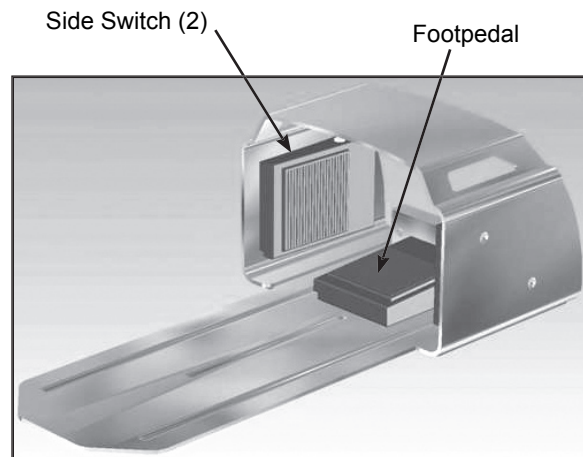

Figure 2-5
PurePoint™ **Multi-Function Footswitch**

SYSTEM MODES

The *PurePoint™* system has three modes describe the different operational states of the system.

Standby Mode

The system starts in this mode after initialization. It also falls back to this mode in response to various events. Settings can be adjusted in this mode, but the system cannot deliver treatment laser energy.

Ready Mode

This mode is initiated when the Standby/Ready button is pushed while the system is in Standby mode. After the button is pushed, the system pauses for 2 seconds, flashes the parameters section of the LCD display, then the system transitions into Ready mode. The system is now prepared to deliver treatment laser energy.

Firing Mode

Pressing the footswitch in Ready mode causes the system to deliver laser treatment energy.

TREATMENT MODES

The system has three treatment modes that determine how the treatment laser shots are delivered.

Repeat Mode

In this mode, pressing and holding down the footswitch pedal causes the laser to fire repeatedly, in a sequence. The individual shots have a duration set by the value in the Pulse Duration field of the display. The time interval between the shots is set by the value in the Interval field of the Display. Lifting the footswitch pedal stops the firing sequence.

Single Shot Mode

In this mode, one treatment shot is delivered per each press of the footswitch pedal. Continuing to hold down the footswitch pedal in this mode after the treatment shot has been delivered shall have no effect. The Treatment Shot duration is set by the value in the Pulse Duration field of the display. Lifting the footswitch pedal stops the firing sequence.

Continuous Mode

In this mode, pressing and holding down the footswitch pedal causes the laser to fire continuously as long as the footswitch pedal is depressed. Lifting the footswitch pedal stops the firing sequence.

SCREEN DESCRIPTIONS

Figure 2-6 shows the hierarchy of screens displayed as you operate the system. Navigation through the screens is accomplished by turning the Menu Knob to highlight the desired selection, then pushing the knob in to activate the selection. When available, pressing "Done" returns the system to the Standby screen, while pressing "Back" takes the system back to the previous screen.
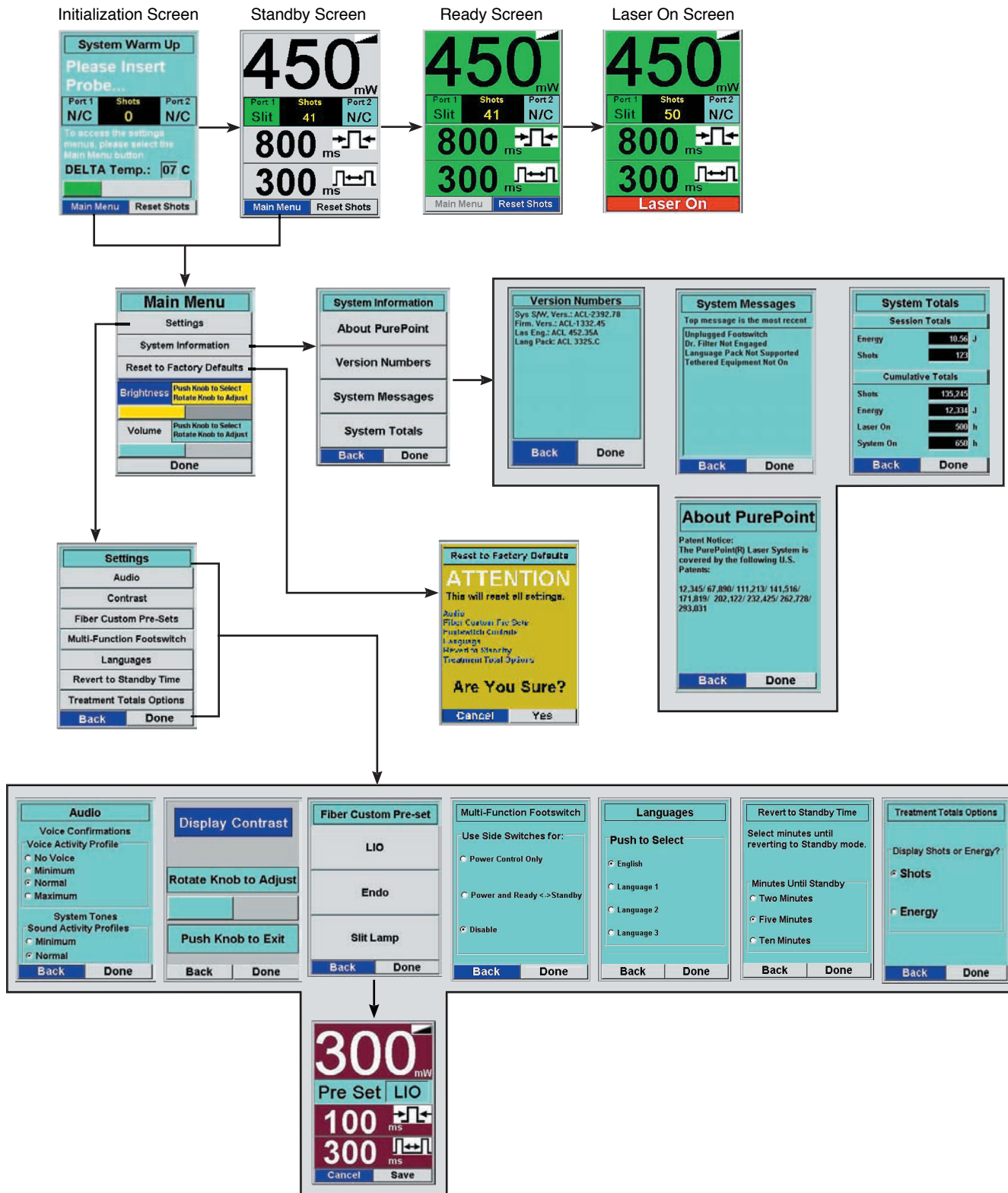

Figure 2-6   Screens Displayed on the *PurePoint*™ LCD

INITIALIZATION SCREEN

The Initialization screen is displayed when the system is powered on. The delta between the set point and actual temperature of the laser engine is shown as it approaches nominal operating temperature. The user can perform the following setup operations during initialization: connect probes, connect LIO illumination power, set laser parameters if an identified probe is connected, and view or change system settings.
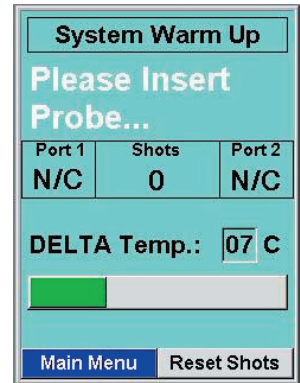
Figure 2-7
Initialization Screen

STANDBY SCREEN

The Standby screen is displayed after the system has initialized and can be identified by its gray background as shown in Figure 2-8.

Laser Power

This field shows the current setting for laser power. The units are shown in milliwatts (mW) for values from 30 to 980, and in watts for values greater than 980. Adjustments are made using the Power knob.

Figure 2-8
Operating Display-
Standby Screen

Pulse Duration

This field shows the current setting for duration of the laser emission. The units are shown in milliseconds (ms) for values from 10 to 700, and in seconds for values greater than 700. Settings greater than 2 seconds causes the system to enter Continuous Wave (CW) mode.

Interval Time

The Interval Time field shows the time between treatment shots when Repeat mode is selected. The units are shown in milliseconds (ms) for values from 30 to 900, and in seconds for values greater than 900. Settings greater than 1 second causes the system to enter Single Shot mode.

Port 1 and 2 Status Indicator

Port status is displayed in these fields with one of the following entries:
- N/C - No fiber connected
- Endo- Endoprobe connected
- Slit - Slit lamp fiber connected
- LIO - LIO fiber attached
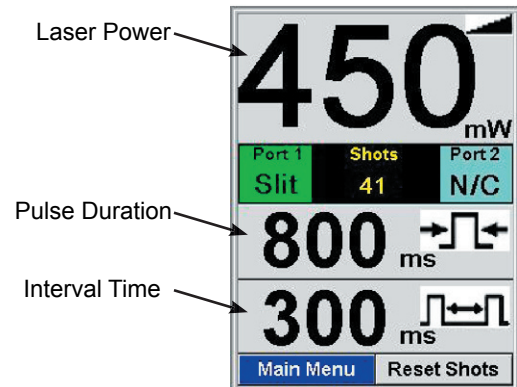- ? - Fiber connected but not identified
- Ø - Port is disabled

Shots/Energy

This field displays the number of shots fired since the unit was powered up or since the user re-set the shot count. Through the Treatment Totals Options menu, the user can set the system to display the energy (in Joules (J)) since the unit was powered up or since the user re-set the value.

READY SCREEN

The Ready screen shown in Figure 2-9 indicates that the system is ready to fire. It is displayed when the user presses the Standby/Ready mode button while the system is in Standby. The screen is essentially the same as the Standby screen except that the background is green and the Main Menu button is inactive. Actions permited in this screen include: adjusting the displayed parameters, resetting the shot count, and connecting fibers to the ports.
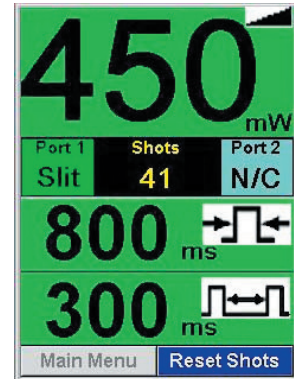
Figure 2-9
Ready Screen

LASER ON SCREEN

The Laser On screen shown in Figure 2-10 indicates that footpedal has been depressed and the system is firing the laser. In this screen the displayed parameters can be adjusted. Releasing the footpedal sends the system back to the Ready screen.
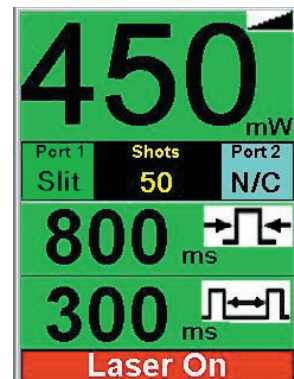

Figure 2-10
Laser On Screen

MAIN MENU

The Main Menu is displayed by selecting "Main Menu" from either the Initialization screen or the Standby screen. The selection is made by rotating the Menu Knob until "Main Menu" is highlighted, then pressing the knob to activate the selection. The Main Menu, shown in Figure 2-11, allows the user to access screens that change system settings and view system information. Each selection is defined as follows:

- Settings - System settings that can be adjusted by the user.
- System Information - Read-only system values provided for the user's information.
- Reset to Factory Defaults - Allows the user to quickly reset the system to its default settings.
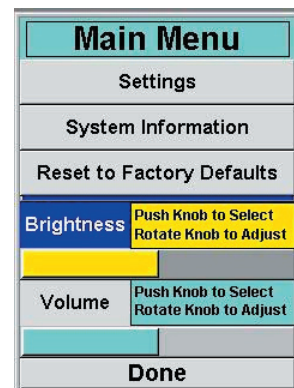

Figure 2-11
Main Menu

- Brightness - This selection allows the user to control the brightness of the LCD display and the front panel control illumination.
- Volume - Controls the volume of system tones and voice confirmation phrases. **NOTE: The volume of tones associated with errors and warnings is adjustable through the Volume Level settings only to the levels specified in Federal regulations.**

SETTINGS

Selecting "Settings" from the Main Menu displays the system settings selections as shown in Figure 2-12. Each setting may be changed according to the requirements of the user.

**Figure 2-12
Settings Menu**

Audio Settings

This menu allows the user to set the audio activity profiles for Voice Confirmations and System Tones. Figure 2-13 shows the available selections for each profile.

NOTE: Voice confirmation is only available when Alcon RFID probes are used.

Voice Confirmations:
- No Voice - Turns off all voice confirmations completely.
- Minimum - Allows the system to emit a minimum number of voice confirmation phrases.
- Normal - Allows the system to emit a moderate number of voice confirmation phrases.
- Maximum - Allows the system to emit all available voice confirmation phrases.

**Figure 2-13
Audio Settings**

System Tones:
- Minimum - Allows the system to emit only the mandatory system tones.
- Normal - Causes the system to emit all available system tones.

Contrast

The Contrast menu allows the user to change the contrast setting of the displays. When selected, the screen shown in Figure 2-14 is displayed and rotating the Menu knob adjusts the screen contrast. After the display has been adjusted to the desired contrast, pressing the Menu button returns the display back to the Settings screen.
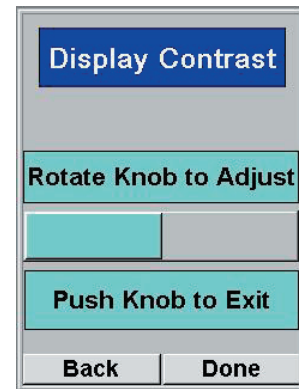

Figure 2-14
Contrast Settings

Fiber Custom Settings

The Fiber Custom Settings menu allows the user to set and save the Power, Pulse Duration, and Inter-Pulse Time parameters as pre-sets for the three instruments used with the system. To select an instrument, rotate the Menu Knob until the desired instrument is highlighted, then push the knob. The selected instrument's Pre-Set screen appears as shown in Figure 2-15 where LIO was selected.

To pre-set an instrument parameter value, rotate the Power, Pulse Duration, and Inter-Pulse Time Knobs to the desired values for the selected instrument. After the settings have been changed, the user can select "Save" to save the changes and go to the operating display or "Cancel" to revert back to the last saved pre-set.
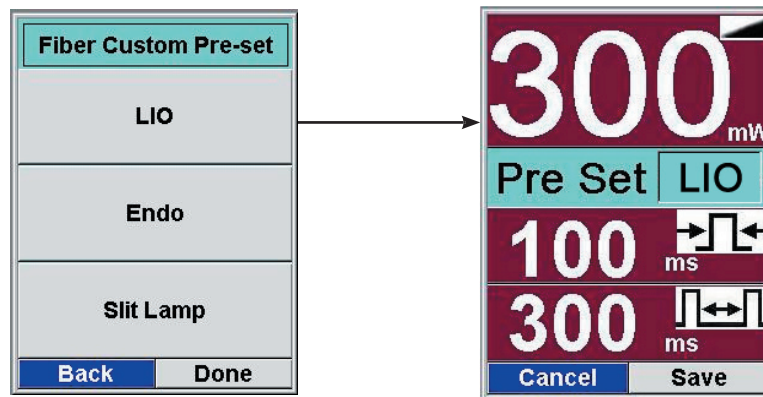

Figure 2-15   Fiber Custom Pre-Sets Screen

Footswitch Settings

Selecting the Footswitch Settings menu item from the Settings menu displays the Settings - Footswitch menu as shown in Figure 2-16. This menu provides three settings that allow the user to select the functionality of the side switches.

NOTE: If the footswitch is not a multi-function footswitch, the only functional setting is "Disable."

Power Control Only
This selection allows the side switches to increment (left switch) or decrement (right switch) the treatment laser power.

Power And Ready <-> Standby
When this selection is enabled, the user can transition from Standby to Ready by pressing and holding the right side switch longer than 1.5 seconds until a tone sounds. Similarly, pressing and holding the left side switch longer than 1.5 seconds (until a tone sounds) will transition the system from Ready back to Standby.

Pressing the side switches for intervals shorter than 1.5 seconds will increase or decrease treatment laser power.

Disable
This setting disables the side switches entirely so the footswitch can only be used for firing the laser. When this setting is selected, power control and switching from Standby to Ready mode can only be done from the front panel of the system.

Selecting Back returns the system to the Settings Menu, while selecting Done returns the system to the operation display.
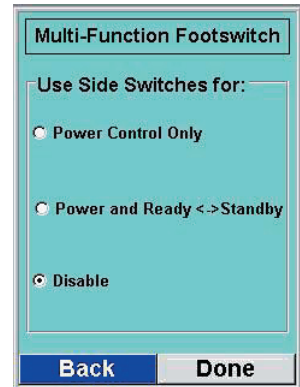
Languages

Selecting the Languages Setting displays the languages available to the user for displaying the information on the screen. To select a language, rotate the Menu knob until the desired language is chosen, then press the Menu knob to select the highlighted item. Select Back to return to the Settings Menu or Done to return to the operating display. The text displayed on the LCD will reflect the new language setting.
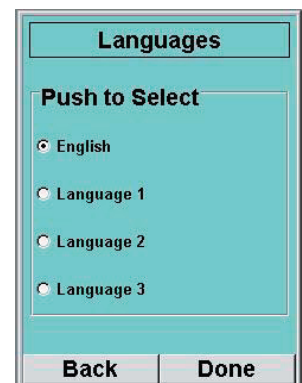

**Figure 2-16
Footswitch Settings**

**Figure 2-17
Language Settings**

**Figure 2-18
Revert to Standby
Settings**

Revert To Standby

Selecting the Revert to Standby Time menu item in the Settings Menu displays the Revert to Standby menu as shown in Figure 2-18. This setting determines the time period of inactivity, in minutes, after which the system will revert to the Standby mode of operation. Inactivity is defined as no footswitch activation during the time period. The setting can be adjusted to two, five or ten minutes.

To change the setting, rotate the Menu knob until the desired number of minutes is highlighted, then push the Menu knob to select the value. Selecting Back returns the system to the Settings Menu, while selecting Done returns the system to the operation display.
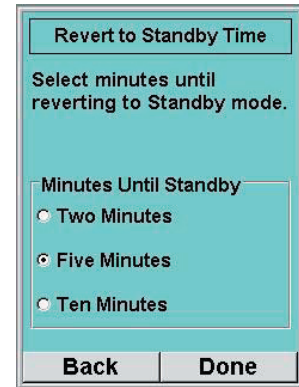

**Figure 2-19
Treatment Totals
Settings**

Treatment Totals Options

Selecting the Treatment Totals Options menu item in the Settings menu displays the Treatment Totals Display menu as shown in Figure 2-19.

The selection in this menu determines whether the Shot Count or the Total Energy Delivered value is displayed in the status section of the operating display. These values pertain to Treatment Totals only, as defined by either total shots or treatment energy delivered from the time the System was powered up, or since the user has re-set the count for this field, whichever is later.

To make a selection in the Treatment Totals Display menu, rotate the Menu knob until the desired menu item is highlighted, then select the setting by pushing the Menu knob. Selecting Back returns the system to the Settings Menu, while selecting Done returns the system to the operation display.
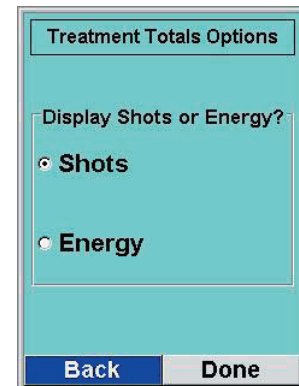
SYSTEM INFORMATION

The System Information screen, shown Figure 2-20, is displayed by selecting System Information from the Main Menu. System Information includes read-only displays of patents, various system constants, message histories, and treatment totals.
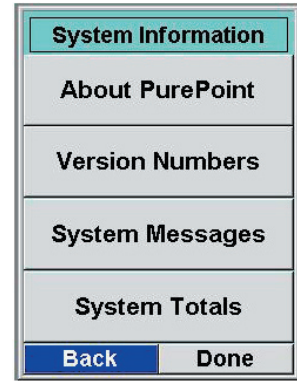

**Figure 2-20
System Information
Menu**

About *PurePoint™*

Selecting the About *PurePoint™* item in the System Information menu displays information about the *PurePoint™* system such as the patent numbers that apply to it as shown in Figure 2-21.
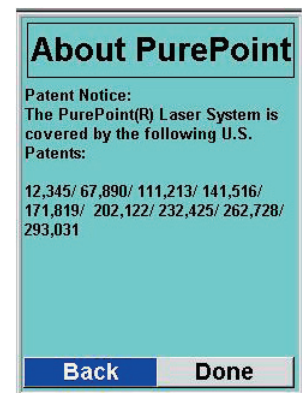

**Figure 2-21
About *Purepoint™*
Screen**

Version Numbers

Selecting Version Numbers from the System Information menu displays the Version Numbers display as shown in Figure 2-22.

The Version Numbers display is a list of system-related version numbers that includes the currently installed versions of system software, firmware, laser engine, and language translation package. This is a read only screen where the only available functions are the Back and Done buttons at the bottom of the display.

**Figure 2-22
Version Numbers
Information**

System Messages

The System Messages display shown in Figure 2-23 contains a scrolling list of system messages that have been logged since the system delivered from the factory or was last factory serviced and a new laser engine installed. System Messages are defined as error, warning, or informational messages that have been displayed to the user. The latest message is displayed at the top of the list and the remaining are listed in descending order.

**Figure 2-23
System Messages**

System Totals

The System Totals display consists of two information items, Session Totals and Cumulative Totals as shown in Figure 2-24.

Session Totals

Session Totals is the number of shots and the amount of Total Energy delivered since the system was powered up.

Cumulative Totals

The Cumulative Totals displays the cumulative totals of the listed treatment values. "Laser On" is the total time that the laser engine has been powered up. This is equivalent to the cumulative time the system has been in Ready mode. "System On" is the total time the laser system has been powered up since it was manufactured.
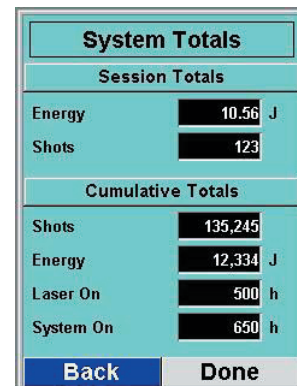
**Figure 2-24
System Totals**

RESET TO FACTORY DEFAULTS

Selecting Reset to Factory Defaults from the Main Menu displays the screen shown Figure 2-25. This screen allows the user to re-set the system to the factory default settings. Since this action changes many of the settings, the user is prompted with an "Are you sure?" message before the default settings take effect.

Selecting "Yes" will reset all factory settings to the original settings and return the user to the Main Menu. "Cancel" will cancel the operation and return to the Main Menu with the settings unchanged.
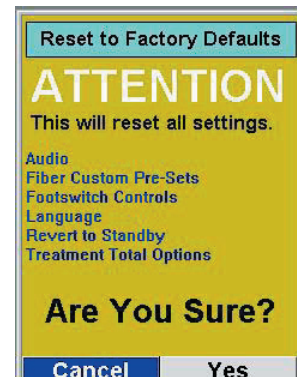
**Figure 2-25
Reset to Factory
Defaults Display**

BRIGHTNESS LEVEL

Selecting the Brightness menu item in the Main Menu allows the user to adjust the brightness levels of the LCD display along with the front panel indicator lights. When Brightness Level is selected, rotate the Menu knob until the desired brightness level is achieved. The Indicator Bar provides a visual gauge for the brightness level. When finished, push the Menu knob to save the Brightness Level changes.

VOLUME LEVEL:

Selecting Volume Level from the main menu allows the user to adjust the volume of the system tones and voice confirmations. The system provides a sample sound or voice when a setting is changed. When Volume level is selected, rotate the Menu knob until the desired volume level is achieved. The Indicator Bar provides a visual gauge for the volume level. When finished, push the Menu knob to save the volume level.

NOTES: The mandatory warning sounds cannot be adjusted above or below the levels allowed by regulatory limits.

Voice confirmation is only available when Alcon RFID probes are used.

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