

## Quick Reference Guide – 9800 Optical Light Source

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- To remove interchangeable connector adaptor, press the button on the front of the instrument and pull off adaptor.
- To defeat auto power-off, press and hold [POWER] for 3 seconds during turn on. 'Perm' is displayed on the top right of the LCD.
- Low battery is indicated with a battery symbol.
- During instrument turn on:
  - to view all display segments, press and hold [ $\lambda$  ◀ ].
  - to display firmware version, press and hold [LEVEL].
  - to turn buzzer off, press and hold [ ▶  $\lambda$  ].
- To enable source emitter, press [ $\lambda$  ◀ ] or [ ▶  $\lambda$  ] after turning on instrument. Operating wavelengths will be shown in the top corner on the right hand side and source power level on the left hand side. Do not enable a laser when there is no fibre attached to the optical output connector.
- To scroll wavelength, press [ $\lambda$  ◀ ] or [ ▶  $\lambda$  ].

### Tone Mode:

- Modulation is active only while the source emitter is enabled. To select a modulation tone, press [MOD] to scroll through available settings.
- Press and hold [MOD], then press [ $\lambda$  ◀ ] to step down or [ ▶  $\lambda$  ] to step up the modulation tone or fiber ID number.
- Press and hold [MOD], then press [ $\lambda$  ◀ ] for 3 seconds to turn off modulation.
- Press and hold [MOD], then press [ ▶  $\lambda$  ] for 3 seconds to advance to ID12.
- To exit, press [MOD] for 3 seconds. Alternatively, press [POWER] while holding [MOD].

### Laser Output Power Adjustment (not available on LED source)

- To decrease the laser output power, turn the laser 'on', then press [LEVEL].
- Press and hold [LEVEL], then press [ $\lambda$  ◀ ] to step down or [ ▶  $\lambda$  ] to step up the output power.
- Press and hold [LEVEL], then press [ $\lambda$  ◀ ] for 3 seconds to set output power to the lowest level.

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- Press and hold [LEVEL], then press [▶ λ] for 3 seconds to set output power to factory default. Alternatively, press [POWER].
- **AutoTest:**
- To start AutoTest, press [POWER] then press [AUTO]. To end, press [AUTO] again or turn the instrument off.
- **TamperLock Mode:**
- While in TamperLock Mode, user is prevented from changing wavelength and laser output power.
- Press [POWER], turn the emitter on, then press and hold [λ ◀ ] while pressing [LEVEL] for 5 seconds. Display will show “codE”.
- Enter 6 key sequence using any keys except [POWER]. Triple beep and “LOut” on display will indicate completion.
- While TamperLock is active, “<<<” and “>>>” symbols will be displayed.
- To cancel your entry, press [POWER].
- To clear TamperLock Mode, press [POWER] while holding down [λ ◀ ] and [LEVEL]. When display show “codE”, enter six key sequence.
- If the correct sequence had been entered, “PASS” will be displayed indicating that TamperLock had been cleared.
- In case where entered sequence was not correct, “FAIL x” will be displayed (where x is attempt count).
- TamperLock will be cleared after three unsuccessful attempts.