

## Quick Reference Guide – 9600 Optical Power Meter

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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 turn buzzer off, press and hold [ ▶  $\lambda$  ]
  - to display firmware version, press and hold [HOLD]
  - to start Slow mode, press and hold [dB/dBm/mW Set Ref]
- To scroll wavelength, press [ $\lambda$  ◀ ] or [ ▶  $\lambda$  ].
- To toggle logarithmic/relative/linear display modes, press [dB/dBm/mW].
- To stop / start display update, press [HOLD].
- To set reference, press and hold [Set Ref] for more than 3 sec. When in reference mode, the reference value is shown on the left hand side of the display.
- To display max min recorded power, press and hold [Max Min]. To re-set this function, press [Max Min].
- When multi-fibre ID tone is detected by a power meter, a buzzer will sound and the corresponding fiber ID number will be displayed. This function is disabled in SlowMode,
- When a standard tone is detected (eg 270 Hz, 1 KHz, 2 KHz), a buzzer will sound and the corresponding modulation frequency will be displayed.
- If the meter detects a test tone higher than 200 Hz, the display will show the actual measured modulation frequency in kHz. This function is disabled in SlowMode.

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### SlowMode:

- In SlowMode, the display will show average optical power of the modulated signal. All tone detection is disabled.
- To start SlowMode, press and hold [dB/dBm/mW Set Ref] while turning power meter on. “- tonE” will be displayed.
- To start SlowMode when power meter is already turned on, press and hold [ $\lambda \blacktriangleleft$  ], then press [dB/dBm/mW Set Ref]. “- tonE” will be displayed.
- To start SlowMode when test tone detection is active, press [dB/dBm/mW Set Ref].
- While SlowMode is on, alternating “▶” and “B” symbols will be displayed.
- To exit SlowMode, press and hold [ $\lambda \blacktriangleleft$  ], then press [dB/dBm/mW Set Ref].  
Turning power meter off will end Slow Mode.

### TamperLock Mode:

- While in TamperLock Mode, user is prevented from changing wavelength, dB/dBm/mW, Hold, min max and SlowMode settings.

- To start TamperLock Mode, press and hold [ $\lambda \blacktriangleleft$  ], then press and hold [HOLD].  
When display show “codE”, enter six key sequence. Triple beep will be heard and display will briefly show “LOut” to indicate completion.
- While TamperLock is active, “<<<” and “>>>” symbols will be displayed.
- If power meter had been locked while in dB R mode, press and hold [Set Ref] to set reference.
- To clear TamperLock, hold [ $\lambda \blacktriangleleft$  ] and [HOLD] while turning power meter on.  
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.