

QUICK REFERENCE GUIDE – KI 9600 Series Optical Power Meter

- 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 [λ ◀]
 - to turn buzzer off, press and hold [▶ λ]
 - to display firmware version, press and hold [HOLD]
 - to start Slow mode, press and hold [dB/dBm/mW Set Ref]
 - To scroll wavelength, press [λ ◀] or [▶ λ].
 - 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 [POWER].
 - 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.
- SlowMode:**
- In SlowMode, the display will show average optical power of the modulated signal. All tone detection is disabled



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- 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 (all keys other than [POWER] can be used). Triple beep will be heard and display will show “LOut” to indicate completion.

- While TamperLock Mode 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, turn off instrument then press [POWER] while holding down [$\lambda \blacktriangleleft$] and [HOLD]. When display show “codE”, enter six key sequence. If the correct sequence had been entered, “PASS” will be displayed indicating 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.

