

9080 vs. 9070

Question

What are the differences between an LPA-9080 and an LPA-9070?

Answer

In addition to the GPIB speed improvement over the 9070 (about 2 - 3 times faster), the 9080 also includes these features.

- a.) monitor diode bias measurement
- b.) TEC voltage measurement
- c.) programmable (head) detector bias adjustment
- d.) GPIB address is easier to set/read
- e.) current source has high and low bandwidth modes
- f.) modulation is allowed from the front panel
- g.) L/I sweeps can take up to 5000 data points
- h.) accommodates all OMH-67XXB (6810B-style) power measurement heads, and reads wavelength in addition to power with power/waveheads
- i.) 9082 has 0.1 m A resolution for monitor diode current
- j.) updated command syntax; "PWR" commands for power meter (9080 is not compatible with 9070 software, except for SPA-9070 upgrade)
- k.) improved power meter calibration (reduces slight offset errors)
- l.) improved sweep reduces number of zero measurements at start of L/I
- m.) 9080 does not support RS-232
- n.) 9080 has no free software
- p.) 9080 connects to 9070 detector

heads only with an extra retrofit
adapter