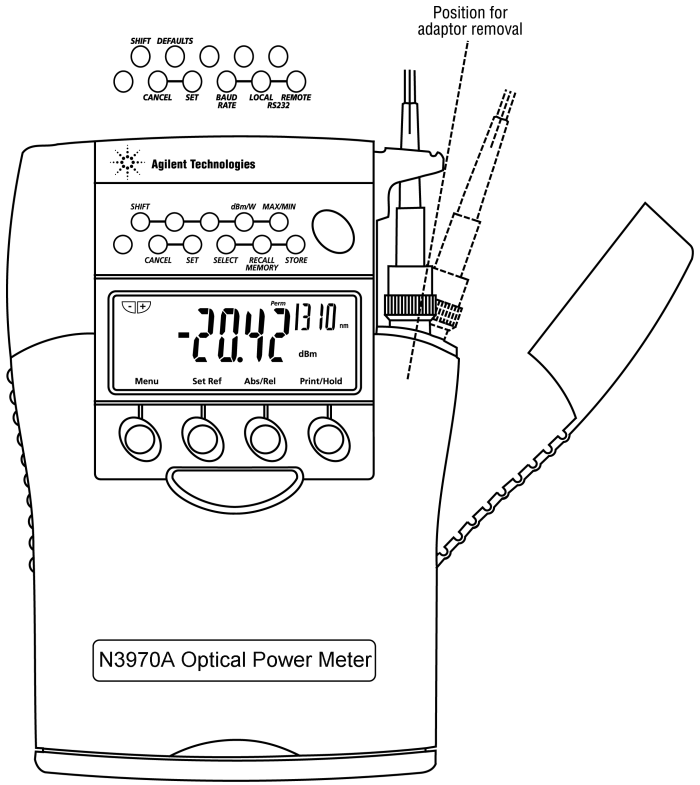
Agilent Technologies



N3970A Optical Power Meter

Quick Reference Card

Agilent Part Number: N3970-91010, E1200 (December 2000)

How do I ?

Remove interchangeable connector	Move interface to mid position and pull off adapter
Override auto power-off	Hold **POWER** for 3 seconds at turn on. Wait until you see ON and Perm on the display.
Access the hidden keypad	Pull up the display cover.

Manual Operation

- Push **Power** until you see Power Meter and Auto test on the display.
- Push **Power Meter** until you see -/+, Menu, Abs/Rel and Hold .

You can always change between these displayed functions by pushing **Power Meter** and **Menu** repeatedly.

Select Wavelength	Push – button for lower wavelength. Push + button for higher wavelength
Set Reference	Push **Abs/Rel** until Set Ref is displayed Push and hold **SetRef** for 3 seconds until 0.00 is displayed
Display Reference	Push **Abs/Rel** until dBR is displayed. Hold **Abs/Rel** until Ref flashes.
Stop/Start display update	Push **Hold**
Display linear mode	Push **dBm/W** on the hidden keypad
Display max/min values	Repeatedly push **MAX/MIN** on the hidden keypad. Hold **MAX/MIN** for 3 seconds to reset.

If a test tone is detected, the display will show Hz

Autotest Operation

To set Autotest mode push **Autotest** on the Laser Source and wait a few seconds. Push **Autotest** on the Power Meter if you have used the Manual Operation or for faster lock-on If Autotest is not displayed, push **Menu** to display Autotest.

When switching from Manual mode to Autotest mode Auto is displayed for about 1 second. In Autotest mode, the actual power reading and the power value send by the Laser Source (small letters) will be displayed.

Autotest remains for about 8 seconds after signal loss. If you lose Autotest due to signal loss just recover your signal and wait a few seconds.

To leave Autotest disconnect the lead or switch off the Laser source for more than 8 seconds and push Menu on the Power Meter.

Memory

NOTE: Please note that you are only able to store memory in Autotest mode. Before performing other memory operations (listed below), you should first exit Autotest.

Access memory	Enter **Power Meter** or **Autotest** mode (but see note above)
Clear all memory	On the hidden keypad, push **RECALL** and **CANCEL** together for 3 seconds. Wait until clr is displayed.
Store in next memory location	Push **STORE** on the hidden keypad.
Change the next store location	Push **SELECT** until the next store location is displayed. Push -/-+ repeatedly to bring up the location you want (for fast change, hold -/+ down) Push **SET**.
Recall stored data	Push **RECALL**, then push -/+ to scroll through data
Read stored dual wavelengths	Push -/+ to scroll wavelengths (Autotest mode only)
Exit memory display	Push **CANCEL**