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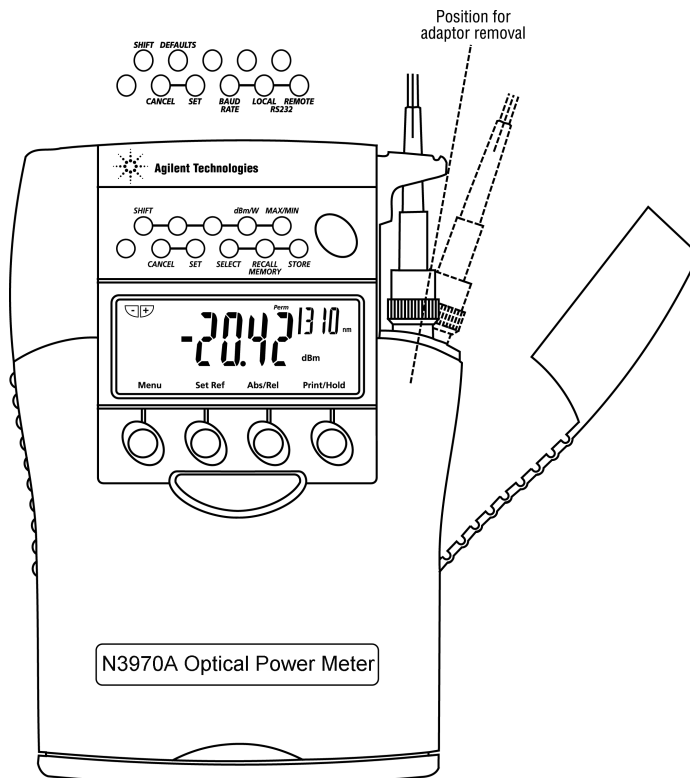
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# Agilent Technologies



## 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 adaptor  
Override auto power-off                      Hold **POWER** for 3 seconds at turn on.

Access the hidden keypad                      Wait until you see ON and Perm on the display.  
Pull up the display cover.

#### Manual Operation

- Push **Power Meter** 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 <b>Abs/Rel</b> until <b>Set Ref</b> is displayed Push and hold <b>SetRef</b> for 3 seconds until 0.00 is displayed
Display Reference	Push <b>Abs/Rel</b> until dBR is displayed. Hold <b>Abs/Rel</b> until Ref flashes.
Stop/Start display update	Push <b>Hold</b>
Display linear mode	Push <b>dBm/W</b> on the hidden keypad
Display max/min values	Repeatedly push <b>MAX/MIN</b> on the hidden keypad. Hold <b>MAX/MIN</b> 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 <b>Power Meter</b> or <b>Autotest</b> mode (but see note above)
Clear all memory	On the hidden keypad, push <b>RECALL</b> and <b>CANCEL</b> together for 3 seconds. Wait until clr is displayed.
Store in next memory location	Push <b>STORE</b> on the hidden keypad.
Change the next store location	Push <b>SELECT</b> until the next store location is displayed. Push -/+ repeatedly to bring up the location you want (for fast change, hold -/+ down) Push <b>SET</b> .
Recall stored data	Push <b>RECALL</b> , then push -/+ to scroll through data
Read stored dual wavelengths	Push -/+ to scroll wavelengths (Autotest mode only)
Exit memory display	Push <b>CANCEL</b>



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