

NOVA MEASURING INSTRUMENTS LTD  
Form 6-K  
March 28, 2008

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UNITED STATES  
**SECURITIES AND EXCHANGE COMMISSION**  
Washington, D.C. 20549

**FORM 6-K**

Report of Foreign Private Issuer  
Pursuant to Rule 13a-16 or 15d-16  
of the Securities Exchange Act of 1934

Date of Report: March 28, 2008  
Commission File No.: 000-30688

**NOVA MEASURING INSTRUMENTS LTD.**

**Building 22 Weitzmann Science Park, Rehovot**

**P.O.B 266**

**Israel**

Indicate by check mark whether the registrant files or will file annual reports under cover Form 20-F or Form 40-F:

Form 20-F  Form 40-F

Indicate by check mark whether the registrant is submitting this Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1): \_\_\_\_

Indicate by check mark whether the registrant by furnishing the information contained in this Form is also thereby furnishing the information to the Commission pursuant to 12g3-2(b) under the Securities Exchange Act of 1934:

Yes  No

If "Yes" is marked, indicate below the file number assigned to the registrant in connection with 12g3-2(b):

N/A.

Attached hereto and incorporated by way of reference herein is a press release issued by the Registrant and entitled "Nova Measuring Instruments Announces Availability of its Annual Report on Form 20-F through its Website".

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**Signatures**

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

NOVA MEASURING INSTRUMENTS LTD.  
(the "Registrant")

By: */s/ Dror David*

Dror David  
Chief Financial Officer

Date: March 28, 2008

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**Company Contact:**

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**Nova Measuring Instruments Announces Availability of its Annual  
Report on Form 20-F through its Website**

**Rehovot, Israel, March 28, 2008**, Nova Measuring Instruments Ltd. (Nasdaq: NVMI) provider of leading edge stand-alone metrology and the market leader of integrated metrology solutions to the semiconductor process control market, today announced that its annual report on Form 20-F, containing audited consolidated financial statements for the year ended December 31, 2007, as filed with the Securities and Exchange Commission on March 28, 2008, is available through its website ([www.nova.co.il](http://www.nova.co.il)). Shareholders may receive a hard copy of the annual report free of charge upon request. This press release is being issued pursuant to NASDAQ Marketplace Rule 4350(b)(1)(A).

**About Nova:** Nova develops, produces and markets advanced integrated and stand alone metrology solutions for the semiconductor manufacturing industry. Nova is traded on the NASDAQ & TASE under the symbol NVMI. For further information please visit the Company's website is [www.nova.co.il](http://www.nova.co.il).

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