

NOVA MEASURING INSTRUMENTS LTD  
Form 6-K  
July 27, 2006

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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

For July 27, 2006

Commission File No. 000-30668

**NOVA MEASURING INSTRUMENTS LTD.**

Building 22 Weitzmann Science Park, Rehovoth; P.O.B 266

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

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation  
S-T Rule 101(b)(7): \_\_\_\_\_

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 Rule 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 Rule 12g3-2(b): N/A.

Attached hereto and incorporated by reference herein is the Registrants notice of its 2006 Second Quarter Results release.

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")

July 27, 2006

By: /s/ Dror David

NOVA MEASURING INSTRUMENTS LTD.

Dror David  
Chief Financial Officer

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**Company Contact:**

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**NOVA MEASURING INSTRUMENTS  
2006 SECOND QUARTER RESULTS RELEASE**

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*Conference Call Scheduled for August 3<sup>rd</sup>, 2006 at 11am EDT*

**REHOVOTH, Israel 27 July 2006** Nova Measuring Instruments Ltd. (NASDAQ: NVMI), a worldwide leader in the development, design and production of integrated process control systems in the semiconductor manufacturing industry, announced that it will release its second quarter 2006 results on Thursday, August 3<sup>rd</sup>, 2006 before the US markets open. It will also host a conference call to discuss those results on August 3<sup>rd</sup>, 2006, at 11:00 am EDT.

On the call, Dr. Giora Dishon, President & CEO, and Mr. Dror David, CFO, will review and discuss the second quarter results and other business developments, and will be available to answer questions.

To participate, please call one of the following teleconferencing numbers. Please begin by placing your calls 5 minutes before the conference call commences. If you are unable to connect using the toll-free numbers, please try the international dial-in number.

**U.S. Dial-in Numbers: 1-866-652-8972**  
**U.K. Dial-in Number: 0-800-917-4613**  
**ISRAEL Dial-in Number: 03-918-0610**  
**INTERNATIONAL Dial-in Number: +972-3-918-0610**  
**At:**  
**11:00 a.m. Eastern Time**  
**8:00 a.m. Pacific Time**  
**6:00 p.m. Israeli Time**

For those unable to participate in the conference call, there will be a replay available for one month from Sunday, August 6<sup>th</sup>, 2006 on Nova's website at [www.nova.co.il](http://www.nova.co.il).

**About Nova**

Nova Measuring Instruments Ltd. develops, designs and produces integrated process control systems for the semiconductor manufacturing industry. Nova provides a broad range of integrated process control solutions that link between different semiconductor processes and process equipment. The Company's web site is [www.nova.co.il](http://www.nova.co.il).

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