

NOVA MEASURING INSTRUMENTS LTD  
Form 6-K  
October 18, 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

Date of Report: October 18, 2006  
Commission File No.: 000-30688

**NOVA MEASURING INSTRUMENTS LTD.**

Building 22 Weitzmann Science Park, Rehovoth  
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 reference herein is the Registrant's notice of 2006 Third Quarter Results Release Date and of a Conference Call to discuss those results.

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")

Date: October 18, 2006

NOVA MEASURING INSTRUMENTS LTD.

By: /s/ Dror David

Dror David  
Chief Financial Officer

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**Company Contact:**

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

*Conference Call Scheduled for November 6<sup>th</sup>, 2006 at 10am EST*

**REHOVOTH, Israel October 18, 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 third quarter 2006 results on November 6<sup>th</sup>, 2006 before the US markets open. It will also host a conference call to discuss those results on November 6<sup>th</sup>, 2006, at 10:00 am EST.

On the call, Mr. Gabi Seligsohn, President & CEO, and Mr. Dror David, CFO, will review and discuss the third 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: 0-800-917-9141**  
**ISRAEL Dial-in Number: 03-918-0687**  
**INTERNATIONAL Dial-in Number: +972-3-918-0687**

**At:**

**10:00 a.m. Eastern Time**

**7:00 a.m. Pacific Time**

**5:00 p.m. Israeli Time**

For those unable to participate in the conference call, there will be a replay available the day following the call 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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